

CBFhydraulic®

Various valves

Valvole varie



VALVOLE VARIE VARIOUS VALVES

La gamma di valvole CBF include:

- Distributori automatici
- Distributori manuali
- Valvole per circuiti rigenerativi
- Valvole di fine corsa
- Valvole 3 vie pilotate idraulicamente
- Valvole 2 vie manuali
- Valvole di messa a scarico
- Valvole manuali direzionali
- Pompe a mano
- Valvola arresto cilindro
- Collettori Standard
- Blocchi customizzati

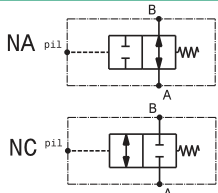
Cbf's various valves include:

- *Lever operated directional valve*
- *Automatic directional valve*
- *Valve for regenerative circuit*
- *End of stroke valve*
- *Three ways, pilot operated valve*
- *Two ways, manual operated valve*
- *Unloading valve*
- *Manual Directional valve*
- *Hand pump*
- *Cylinder lock valve*
- *Standard valve housings*
- *Customized Manifolds*

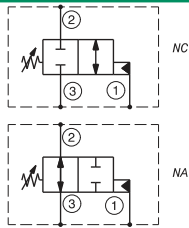
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

	Q	P	PAGINA
	(l/min)	(bar)	PAGE

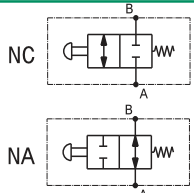
Valvola a 3 vie pilotata 3 ways, pilot operated valve

	V3P-C-NA	40	350	524
	V3P-C-NC	40	350	524
	V3P-14/38/12-NA	25÷40	350	540
	V3P-14/38/12-NC	25÷40	350	540

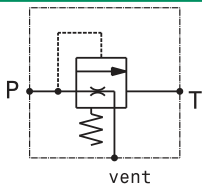
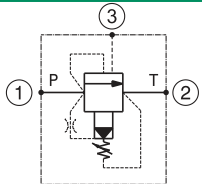
Valvola a 3 vie pilotata pilotata a cartuccia 3 ways, pilot operated valve – cartridge type

	V3P1030-C	40	350	525
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Valvola a 2 vie manuale 2 ways, manual operated valve

	V2M-C-NA	40	350	526
	V2M-C-NC	40	350	526
	V2M-14/38-NA	25÷40	350	541
	V2M-14/38-NC	25÷40	350	541

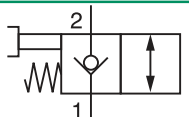
Valvola di messa a scarico a cartuccia Unloading valve – cartridge type

	VMS-C	200	350	527
	VMS-20-C	400	350	528
	VMSP-20-C	400	350	529

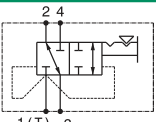
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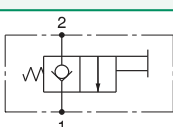
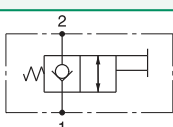
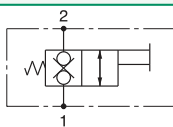
Valvola manuale direzionale a cartuccia Manual directional valve – cartridge type

	MV1045-C	45	350	530
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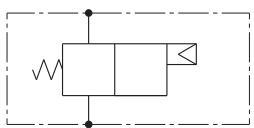
Valvola manuale direzionale a cartuccia, apertura in tiro Manual directional valve, spring return, pull to open – cartridge type

	VDM-C	60	350	531
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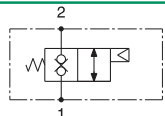
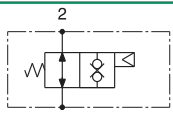
Valvola manuale direzionale a cartuccia Manual directional valve – cartridge type

MV0820-C  MV0822-C 	MV-08-2X-C	45	350	532
MV0822DT-C 				

Valvola elettrica direzionale 2/2 a cartuccia 2/2 solenoid directional valve, cartridge type

	PV082X-C	40	350	533
	PV102X-C	70	350	534
	PV122X-C	100	350	535
	PV162X-C	150	350	536
	PV202X-C	200	350	537

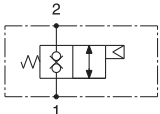
Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa Directional valve, pneumatic operated, normally closed – cartridge type

	PV0822DT-C	40	350	538
	PV0823DT-C	40	350	538

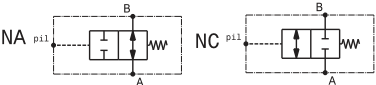
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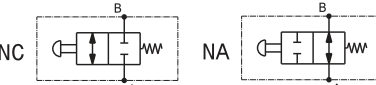
Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa
Directional valve, pneumatic operated, normally closed – cartridge type

	PV1022DT-C	70	350	539
	PV1023DT-C	70	350	539

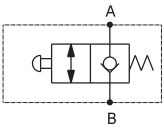
Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa
Directional valve, pneumatic operated, normally closed – cartridge type

	V3P-14	25	350	540
	V3P-38	40	350	540
	V3P-12	40	350	540

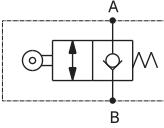
Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa
Directional valve, pneumatic operated, normally closed – cartridge type

	V2M-14	25	350	541
	V2M-38	40	350	541

Valvola fine corsa
End of stroke valve

	VFC-14	25	300	542
	VFC-38	40	300	542

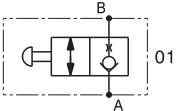
Valvola fine corsa
End of stroke valve

	VFC-14-CC	25	300	543
	VFC-38-CC	40	300	543

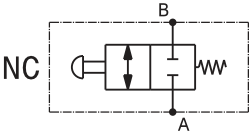
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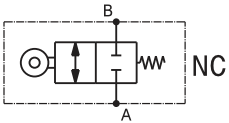
Valvola fine corsa End of stroke valve

	VFCA-14	25	350	544
	VFCA-38	40	350	544
	VFCA-12	80	350	545
	VFCA-34	100	350	545

Valvola fine corsa End of stroke valve

	VFCA-60-12-NC	60	350	546
	VFCA-60-12-NA	60	350	546
	VFCA-90-34-NC	90	350	547
	VFCA-90-34-NA	90	350	547

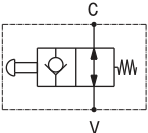
Valvola fine corsa End of stroke valve

	VFCA-60-12-CC-NC	60	350	548
	VFCA-60-12-CC-NA	60	350	548
	VFCA-90-34-CC-NC	90	350	549
	VFCA-90-34-CC-NA	90	350	549

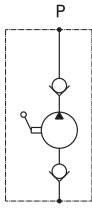
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	(l/min)	(bar)	PAGE

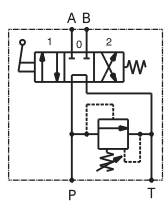
Valvola arresto cilindro Cylinder lock valve

	VAC-38-38	40	300	550
	Flangiabile / <i>Flangeable</i>			
	VAC-38	40	300	551
	VAC-12	40	300	551

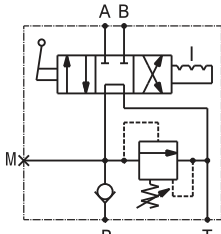
Pompa a mano Hand pump

	PM15	(5.8cm³)	250	552
	PM15-2			553
	BM007200			554

Valvola direzionale con comando a leva, corpo in ghisa Directional valve, lever operated, cast iron body

	DM-1	30	350	555
	DM-1-M	30	350	555
	Comando a cuscinetto / sfera <i>Bearing / cam control</i>			
	DM-1-CC	30	350	556
	DM-1-CS	30	350	556

Distributore manuale - acciaio Directional control valve - steel

	DM-4	10	400	557
	DM-41*	10	400	558
	Flangiabile <i>Flangeable</i>			
	DM-4-F	10	400	559

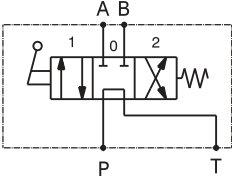
* vedi schema idraulico pag.33

* see hydraulic scheme page 33

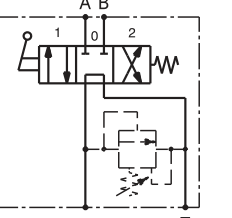
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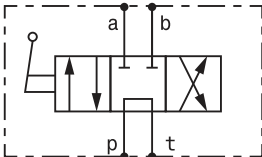
Valvola direzionale con comando a leva, corpo in ghisa con o senza valvola di massima
Directional valve, lever operated, cast iron body, with or without relief valve

	DM-80-VLP80	80	350	560
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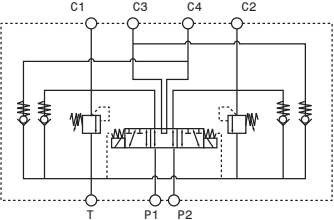
Valvola direzionale con comando a cuscinetto / sfera, con o senza valvola di massima corpo in ghisa
Directional valve, bearing control / cam control, with or without relief valve, cast iron body

	DM-80-CC/DM-80CS-VLP80	80	350	561
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Valvola con comando a leva - luce 6 e luce 10 - corpo in ghisa
Directional valve, lever operated - NG6 and NG10 - cast iron body

	DC-3 (CETOP 3)	30	350	562
	DC-3-M (CETOP 3)	30	350	562
	DC-5 (CETOP 5)	70	350	563
	DC-5-M (CETOP 5)	70	350	563

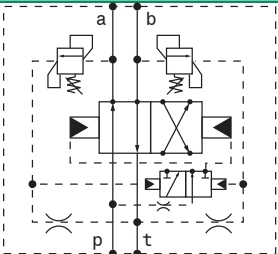
Valvola direzionale elettrica a 6 vie 3 posizioni - corpo in acciaio
Solenoid directional valve 6 way three position - steel body

	DE63871130	50	350	564
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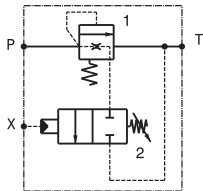
INDICE PER TIPO DI VALVOLA INDEX BY VALVE TYPE

	Q	P	PAGINA
	(l/min)	(bar)	PAGE

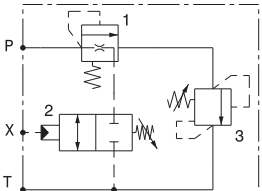
Valvola direzionale automatica - luce 6 e luce 10 Automatic directional valve - NG6 and NG10

	VAD-F-C3 (CETOP 3)	30	250	565
	VAD-F-C5 (CETOP 5)	70	250	566

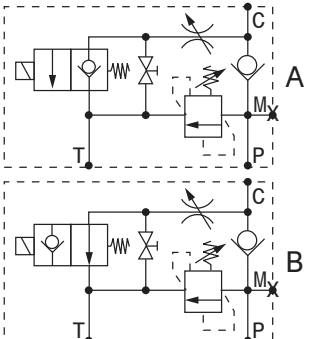
Valvola di messa a scarico Unloading valve

	VMS-34	150	300	567
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Valvola di messa a scarico con valvola di sfogo Unloading valve with purge relief valve

	VMS-12-VLP40	45	250	568
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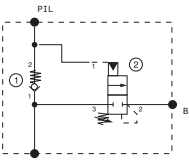
Gruppo integrato con valvola di non ritorno, valvola limitatrice di pressione, strozzatore e valvola elettrica Integrated unit valve with check valve, relief valve, restrictor and solenoid operated unloading valve

	EV25-VLP40-VNR40-ST-38	25	300	569
	EV25-VLP40-VNR40-ST-12	25	300	569
	EV70-VLP80-VNR80-ST-12	70	250	569
	EV70-VLP80-VNR80-ST-34	70	250	570
	EV150-VLP130-VNR130-ST-10	130	250	571

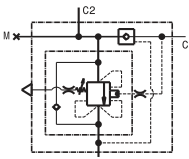
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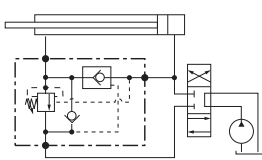
Valvola di sequenza pilotata Sequence valve pilot-operated

	BM028800	40	250	572
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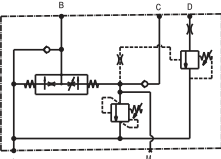
Valvola di bilanciamento, blocco e controllo movimento a semplice effetto, funzione rigenerativa Single effect counterbalance valve with regenerative function

	VR-90-34	90	350	573
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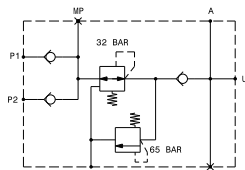
Valvola per circuiti rigenerativi con esclusione automatica, senza bilanciamento Regenerative counterbalance valve with automatic shut-off

	VREASB-12	60	350	574
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Valvola di auto-livellamento Self-leveling valve

	BM053800	60	250	575
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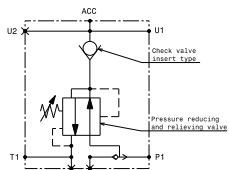
Valvola per la carica degli accumulatori Valve for charging the accumulators

	BM050001	10	350	576
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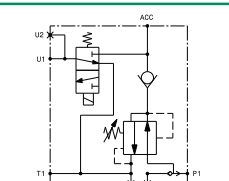
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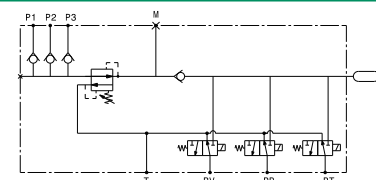
Valvola per la carica degli accumulatori Valve for charging the accumulators

	BM051301	25	350	577
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Valvola per la carica degli accumulatori con valvola elettrica direzionale Valve for charging the accumulators with directional solenoid valve

	BM053301	18	350	578
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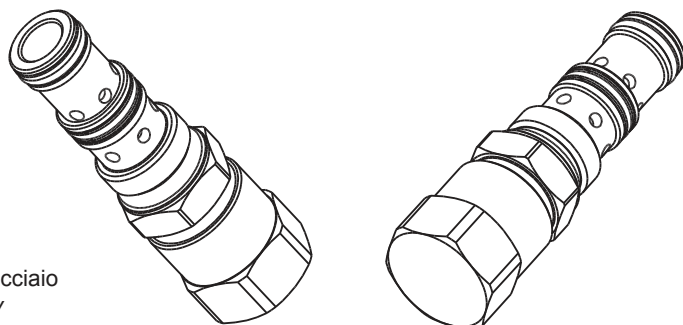
Valvola per la carica degli accumulatori con valvola elettrica direzionale Valve for charging the accumulators with directional solenoid valve

	BM054101	18	350	579
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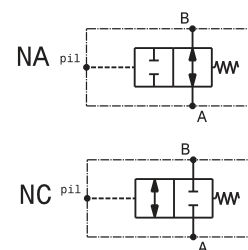
Collettori standard Standard valve housings

	2 vie 2 ways	---	---	580
	3 vie 3 ways			581
	4 vie 4 ways			582

Valvola a 3 vie pilotata a cartuccia
 3 ways, pilot operated valve – cartridge type
 mod. V3P-C



Corpo in acciaio
 Steel body

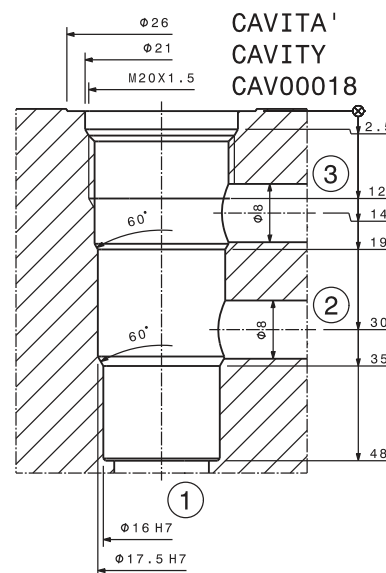
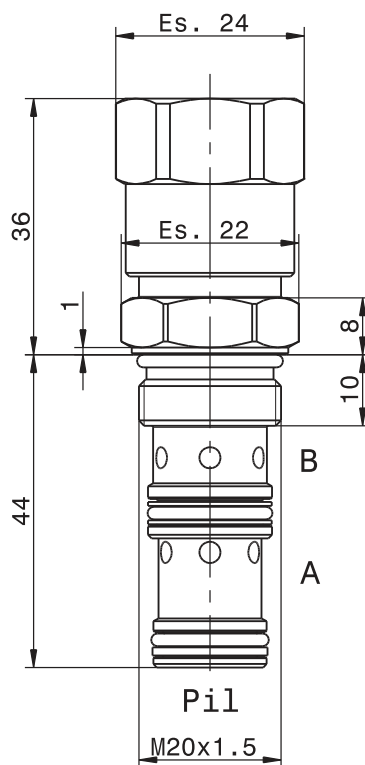


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lbf ft

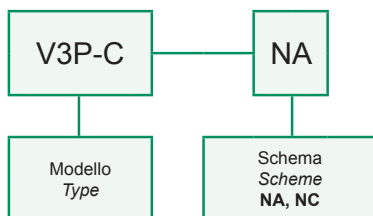
V3P-C-NC	Pressione d'apertura 10 bar Pilot to open pressure 145 psi
V3P-C-NA	Pressione di chiusura 10 bar Pilot to close pressure 145 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



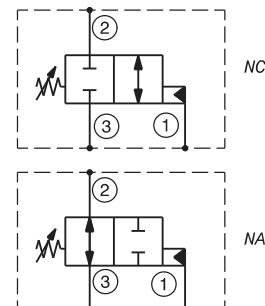
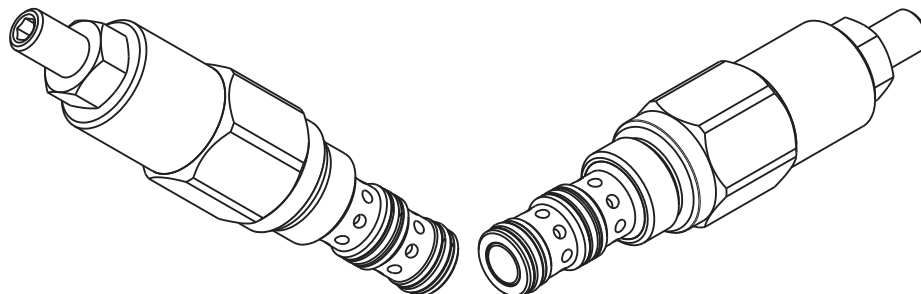
Sigla di ordinazione / Ordering code



For flow diagram see
 PRESSURE DROP DIRECTIONAL VALVE(1)

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola direzionale a 3 vie pilotata a cartuccia
3 ways, pilot operated valve – cartridge type
mod. V3P1030-C

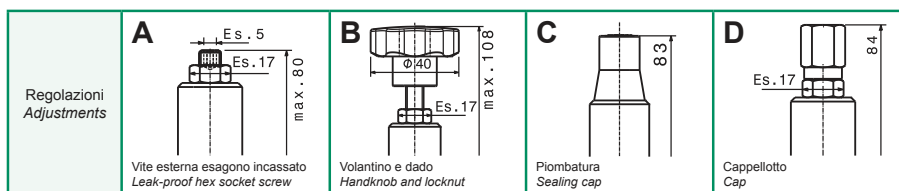
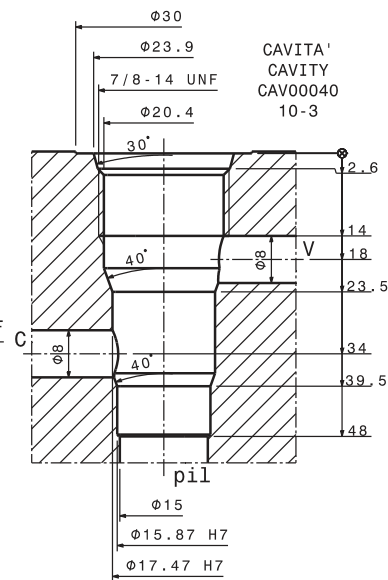
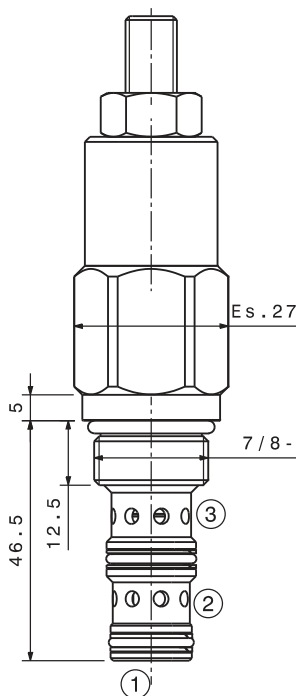


Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Taratura Setting		
Codice Code	Taratura standard Standard setting (Q=5 l/min)	Campo di taratura Adj. Pressure range
01	50 bar 725 psi	30÷100 bar 435÷1450 psi
02	80 bar 1160 psi	40÷200 bar 580÷2900 psi
03	180 bar 2610 psi	50÷250 bar 725÷3625 psi

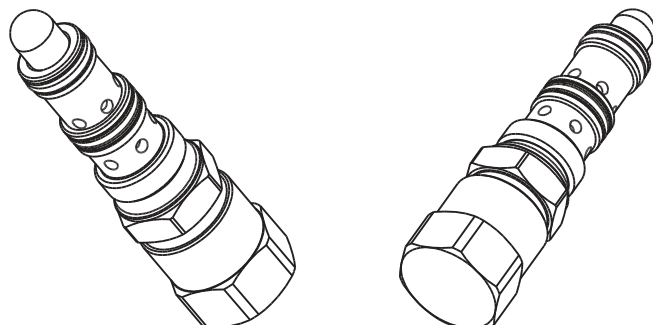


Sigla di ordinazione / Ordering code

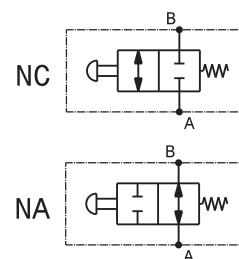
V3P1030-C	01	A	NC
Modello Type	Codice taratura Setting code 01, 02, 03	Codice regolazione Adjustment code A, B, C, D	Tipo circuito Circuit type NA - NC

I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola a 2 vie manuale a cartuccia
2 ways, manual operated valve – cartridge type
mod. V2M-C



Corpo in acciaio
Steel body



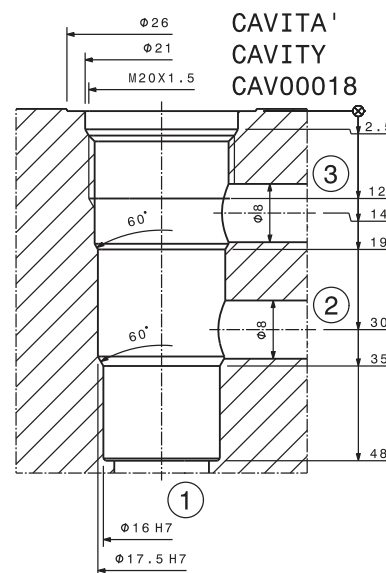
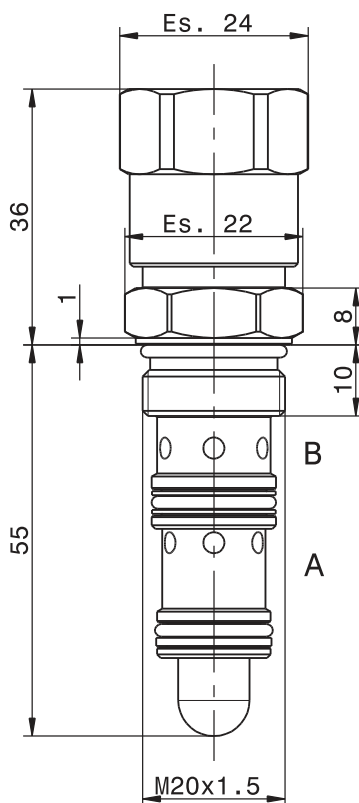
Portata massima Max flow	40 l/min 10.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

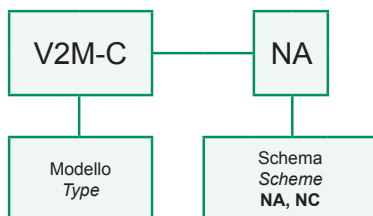
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

V2MC-NC	Pressione d'apertura 10 bar Pilot to open pressure 145 psi
V2MC-NA	Pressione di chiusura 10 bar Pilot to close pressure 145 psi

Corsa MAX MAX Stroke	7 mm
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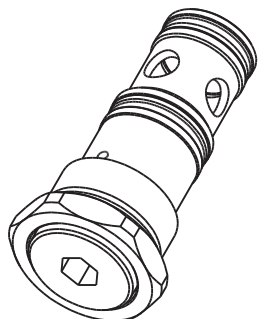
Sigla di ordinazione / Ordering code



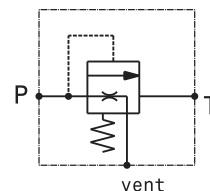
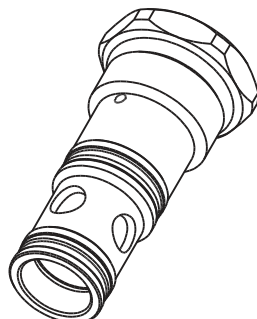
For flow diagram see
PRESSURE DROP DIRECTIONAL VALVE(1)

I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di messa a scarico a cartuccia
Unloading valve – cartridge type
mod. VMS-C



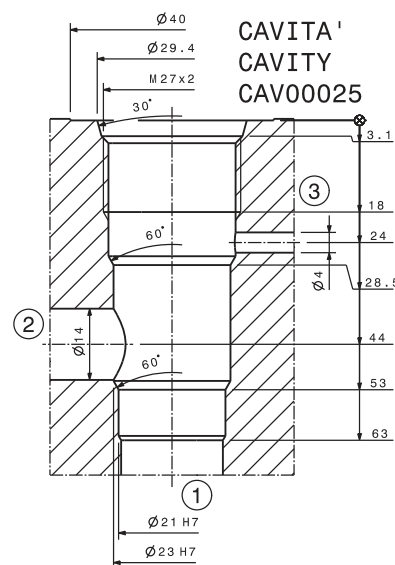
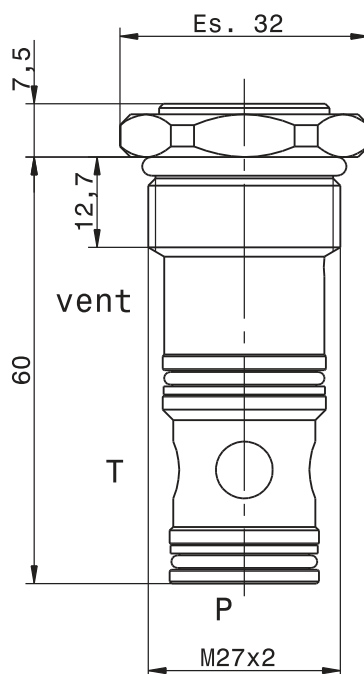
Corpo in acciaio
Steel body



Portata massima <i>Max flow</i>	200 l/min 53 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	160 ÷ 180 Nm 120 ÷ 135 lbt ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



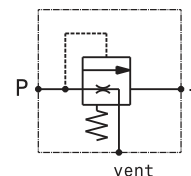
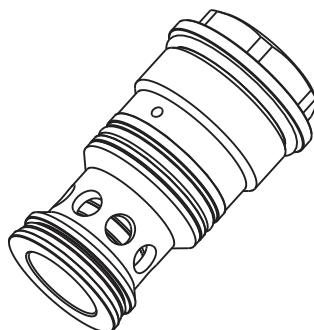
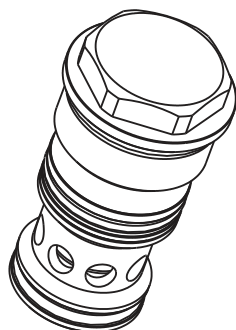
Sigla di ordinazione / Ordering code

VMS-C

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

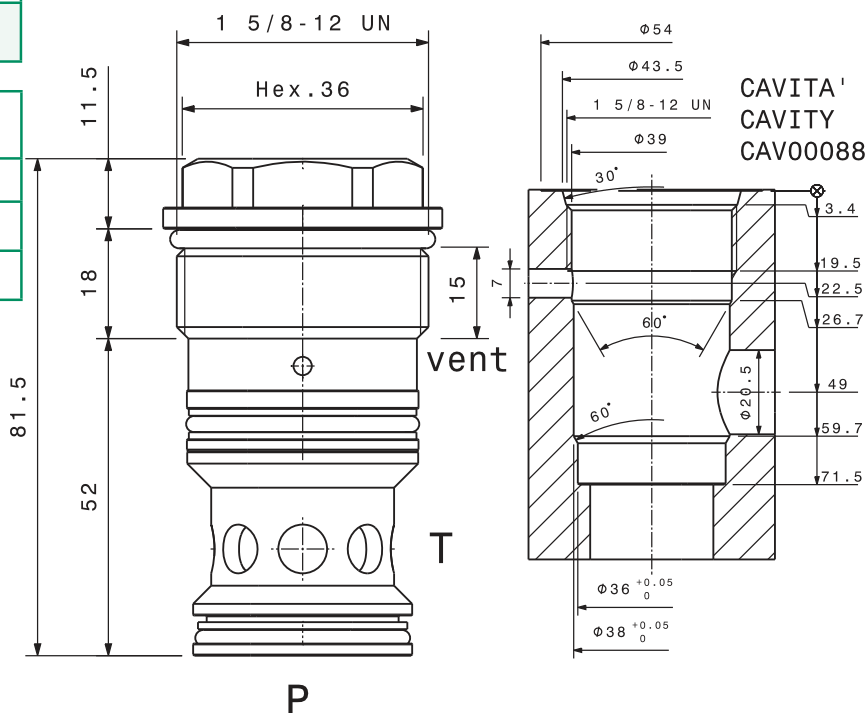
Valvola di messa a scarico a cartuccia
 Unloading valve – cartridge type
 mod. VMS20-C



Portata massima Max flow	400 l/min 105 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	230 ÷ 250 Nm 170 ÷ 190 lbt ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil
 with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



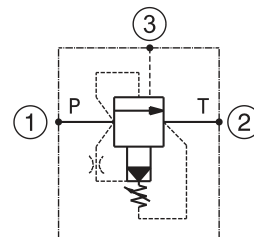
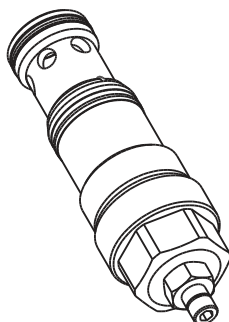
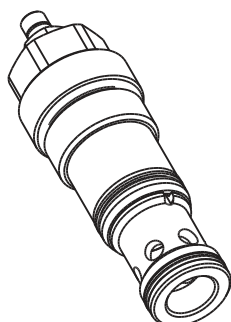
Sigla di ordinazione / Ordering code

VMS20-C

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola di messa a scarico pilotata a cartuccia
Pilot operated unloading valve – cartridge type
mod. VMSP-20-C

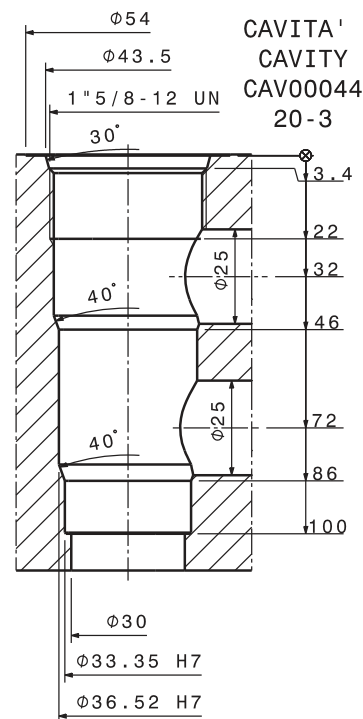
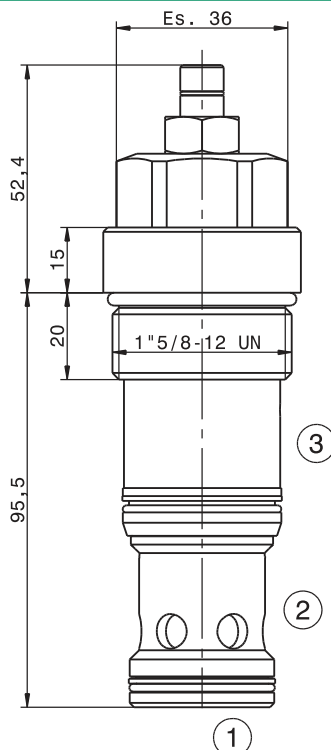


Portata massima <i>Max flow</i>	400 l/min 100 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Coppia di serraggio <i>Installation torque</i>	230 ÷ 250 Nm 170 ÷ 190 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Taratura <i>Setting</i>			
Codice <i>Code</i>	Taratura standard <i>Standard setting</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>	Pressure increase <i>bar/psi per turn</i>
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi	30.8 bar 447 psi
02	180 bar 2600 psi	40÷250 bar 580÷3600 psi	70.7 bar 1025 psi
03	250 bar 3600 psi	60÷350 bar 870÷5000 psi	103.8 bar 1505 psi



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CAV00044
20-3

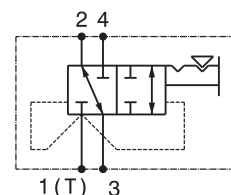
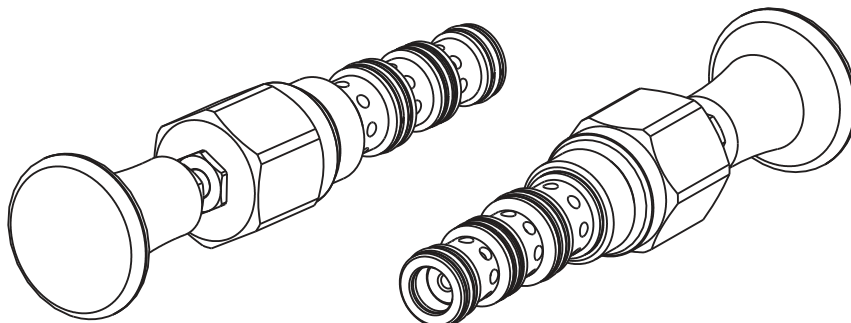
Regolazioni <i>Adjustments</i>			
A		B	
C		D	

Sigla di ordinazione / Ordering code

VMSP20C	01	A
Modello <i>Type</i>	Codice taratura <i>Setting code</i> 01, 02, 03	Codice regolazione <i>Adjustment code</i> A, B, C, D

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola manuale direzionale a cartuccia
Manual directional valve – cartridge type
mod. MV1045-C

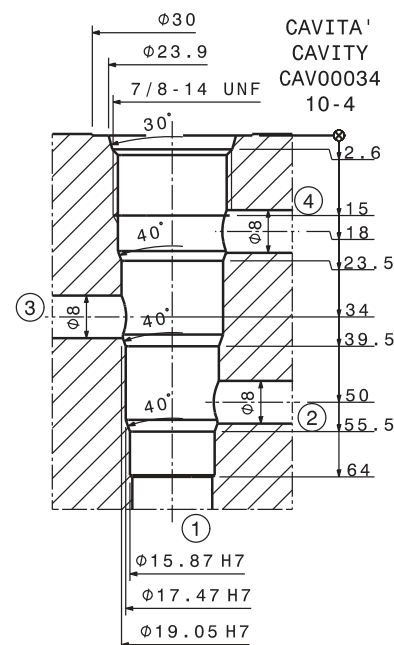
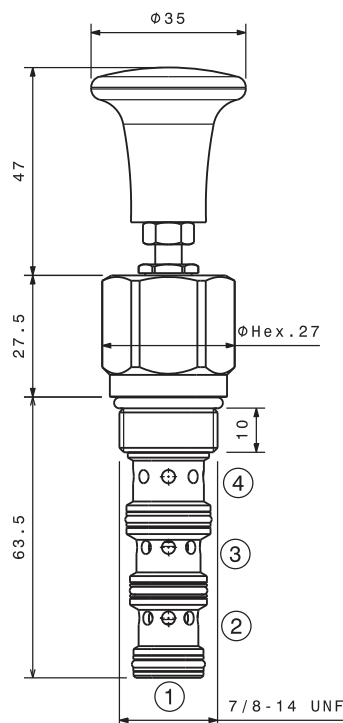


Portata massima Max flow	45 l/min 12 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	40 ÷ 50 Nm 30 ÷ 37 lbt ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Corsa Stroke	4,5 mm
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Sigla di ordinazione / Ordering code

MV1045-C

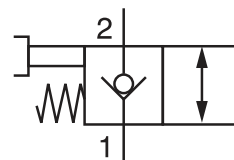
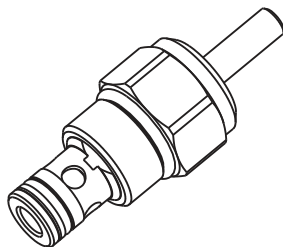
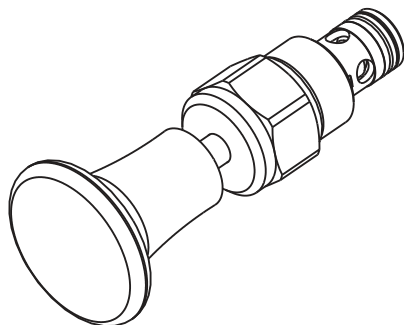
Modello
Type

For flow diagram see
PRESSURE DROP MANUAL VALVE (2)

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola manuale direzionale a cartuccia, apertura in tiro
Manual directional valve, spring return, pull to open – cartridge type

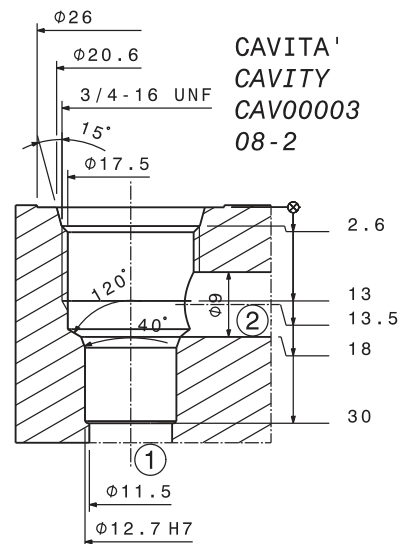
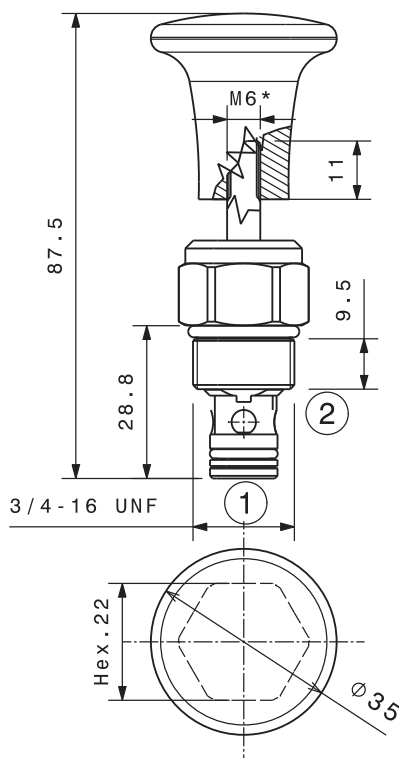
mod. VDM-C



Portata massima Max flow	60 l/min 15 gpm
Pressione massima Max pressure	350 bar 5000 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lbt ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



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08-2

Sigla di ordinazione / Ordering code

VDM-C

Modello
Type

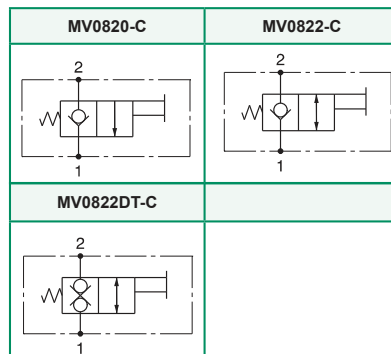
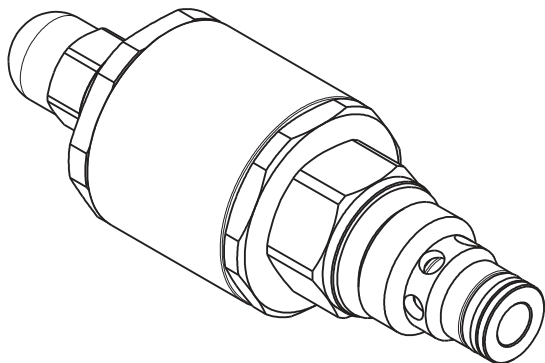
* SU RICHIESTA 1/4 - 20 UNC SENZA MANOPOLA
* 1/4 - 20 UNC AVAILABLE WITHOUT HANDKNOB

For flow diagram see
PRESSURE DROP MANUAL VALVE (1)

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

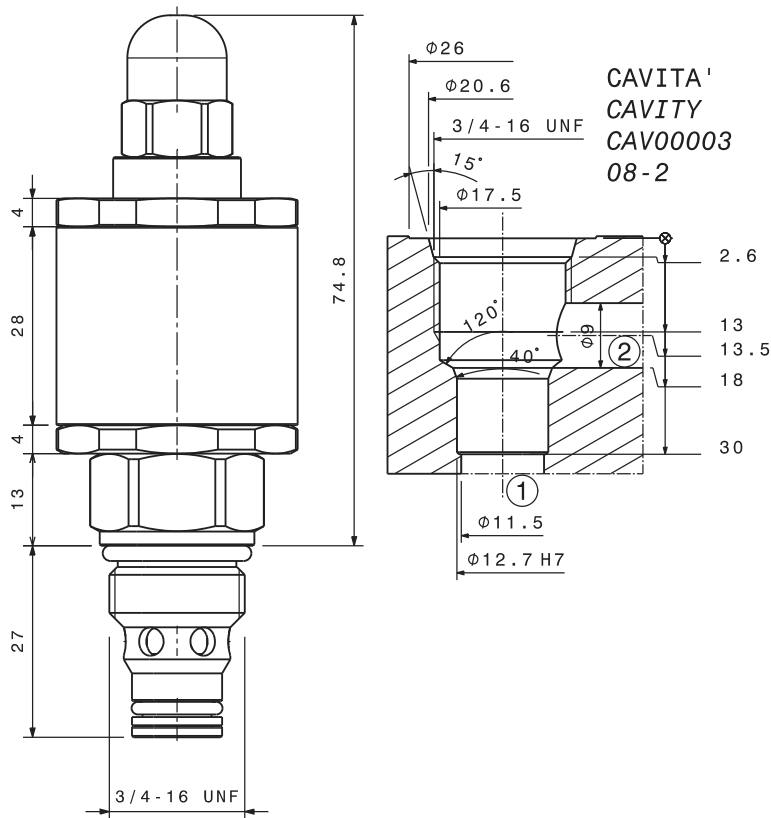
Valvola manuale direzionale a cartuccia, apertura in spinta
Manual directional valve, spring return, push to open – cartridge type

mod. MV-08-2X-C

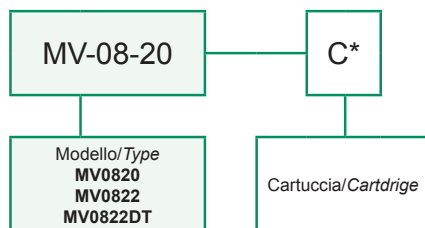


Portata massima Max flow	40 l/min 11 gpm
Pressione massima Max pressure	350 bar 5000 psi
Trafilamento Max. Max Leakage	15 bar 15 drops/min
Coppia di serraggio Installation torque	40 ÷ 50 Nm 30 ÷ 37.5 lbt ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



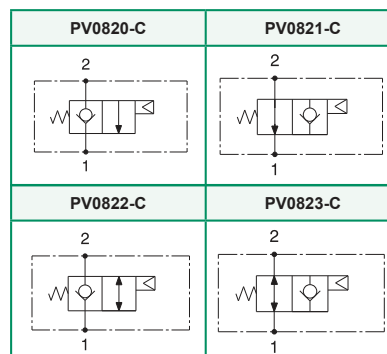
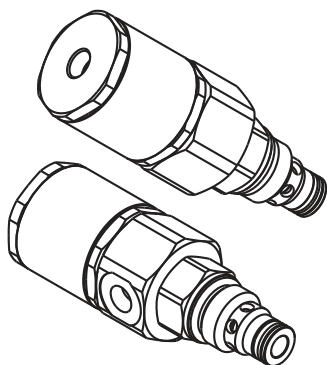
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa
Directional valve, pneumatic operated, normally closed – cartridge type

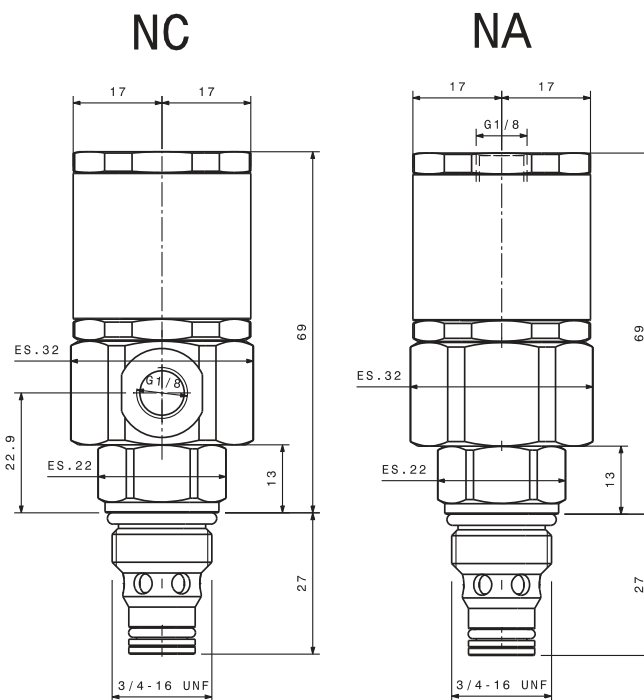
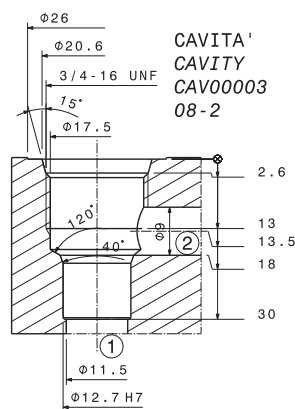
mod. PV-08-2X-C



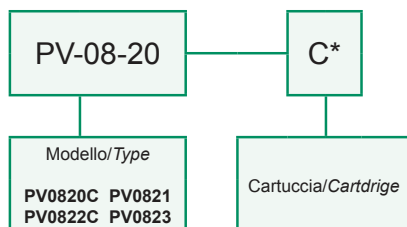
Portata massima <i>Max flow</i>	40 l/min <i>11 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Pressione aria di apertura <i>Opening air pressure</i>	2 bar <i>29 psi</i>
Coppia di serraggio <i>Installation torque</i>	27 ÷ 30 Nm <i>20 ÷ 22.5 lbf ft</i>

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



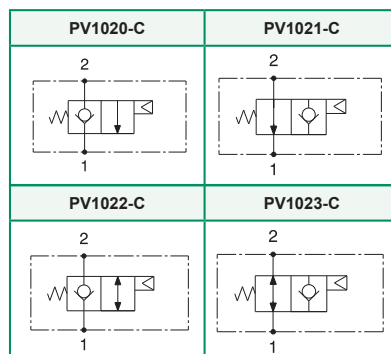
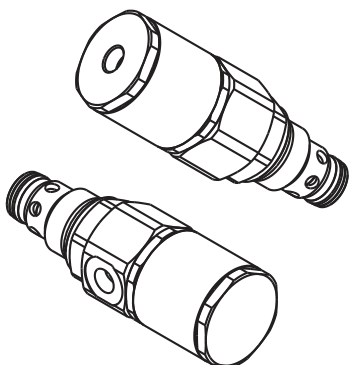
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa
Directional valve, pneumatic operated, normally closed – cartridge type

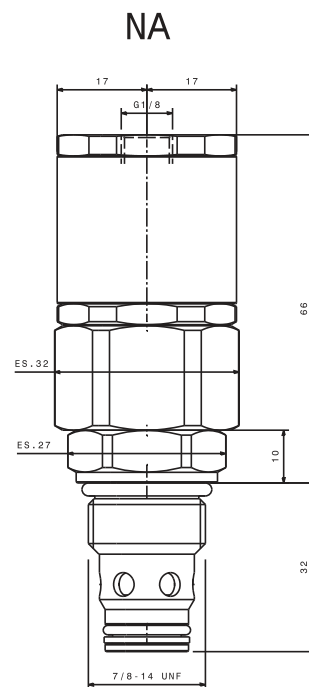
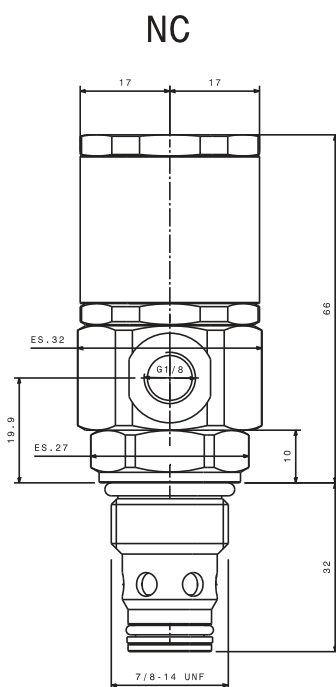
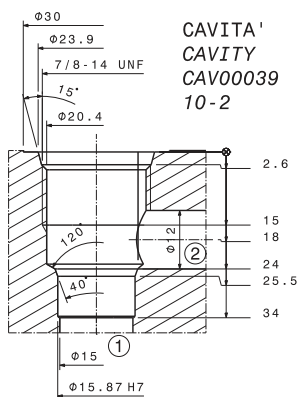
mod. PV-10-2X-C



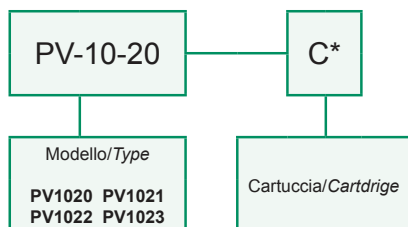
Portata massima <i>Max flow</i>	70 l/min <i>18.5 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Pressione aria di apertura <i>Opening air pressure</i>	2 bar <i>29 psi</i>
Coppia di serraggio <i>Installation torque</i>	45 ÷ 50 Nm <i>33 ÷ 37 lbf ft</i>

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliata <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



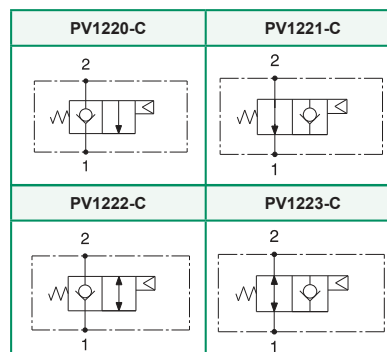
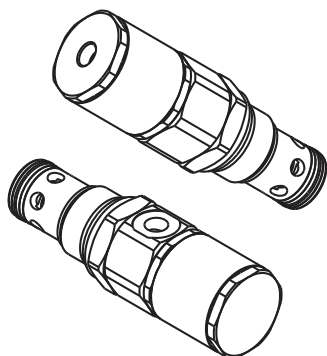
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa
Directional valve, pneumatic operated, normally closed – cartridge type

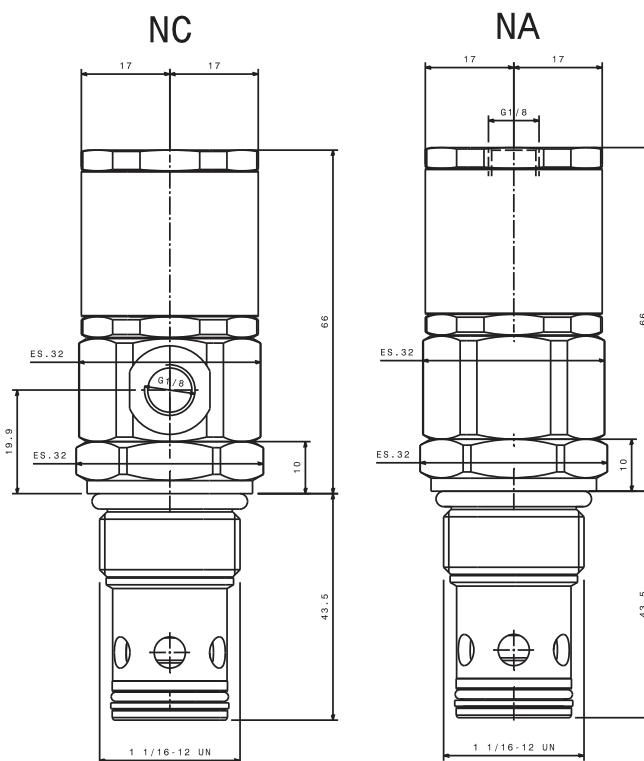
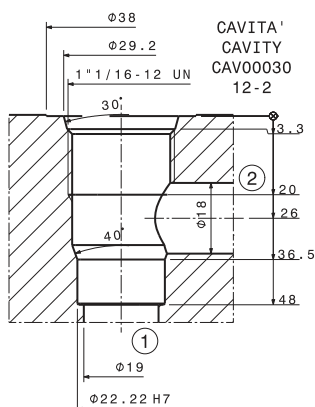
mod. PV-12-2X-C



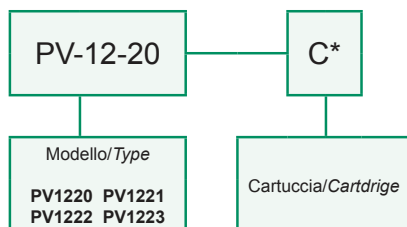
Portata massima <i>Max flow</i>	100 l/min 26 gpm
Pressione massima <i>Max pressure</i>	350 bar 5000 psi
Pressione aria di apertura <i>Opening air pressure</i>	2 bar 29 psi
Coppia di serraggio <i>Installation torque</i>	80 ÷ 100 Nm 60 ÷ 75 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



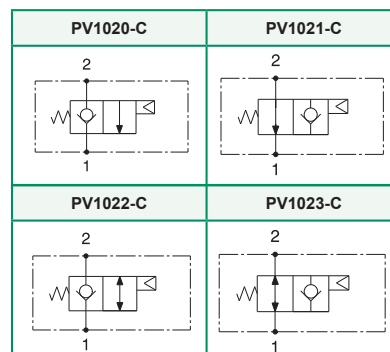
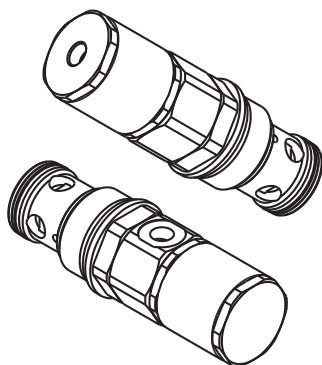
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa
 Directional valve, pneumatic operated, normally closed – cartridge type

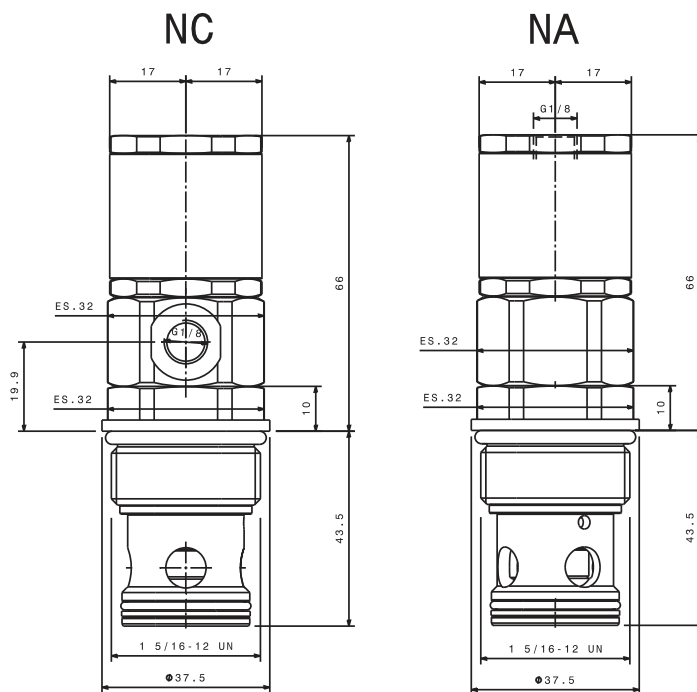
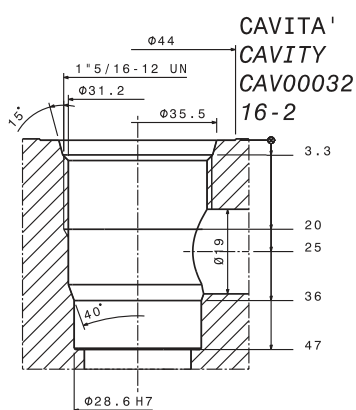
mod. PV-16-2X-C



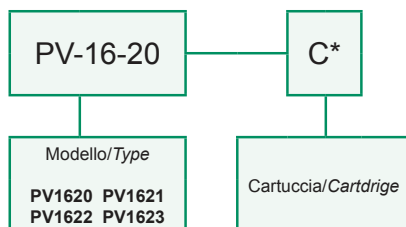
Portata massima Max flow	150 l/min 40 gpm
Pressione massima Max pressure	350 bar 5000 psi
Pressione aria di apertura Opening air pressure	2 bar 29 psi
Coppia di serraggio Installation torque	180 ÷ 210 Nm 130 ÷ 150 lbt ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliata Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



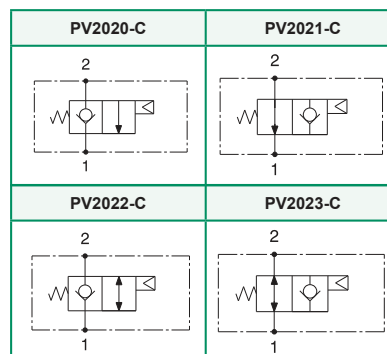
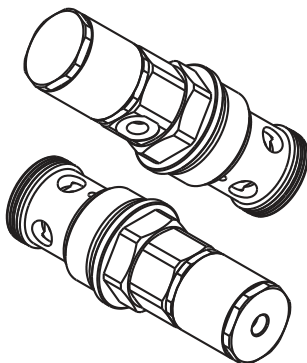
Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa
Directional valve, pneumatic operated, normally closed – cartridge type

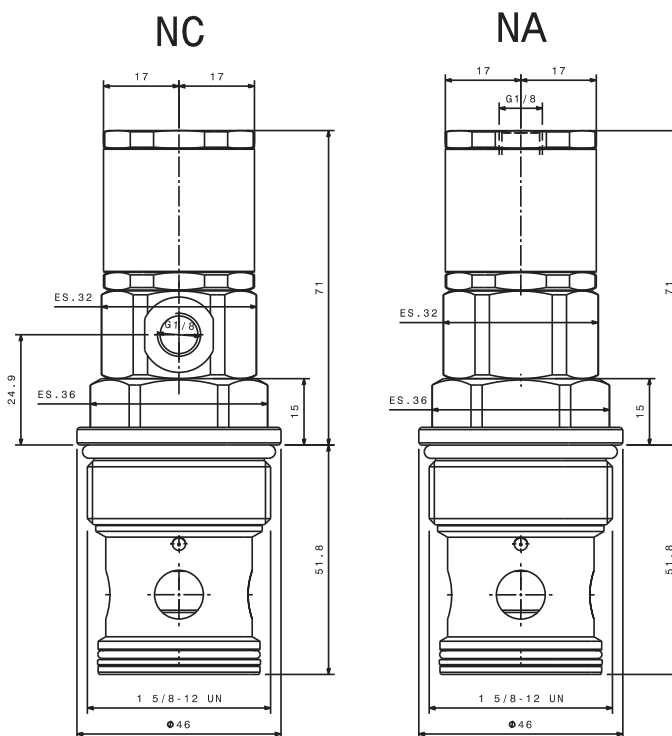
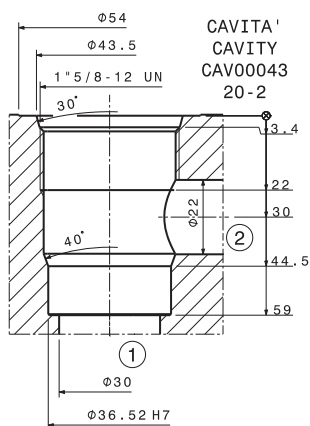
mod. PV-20-2X-C



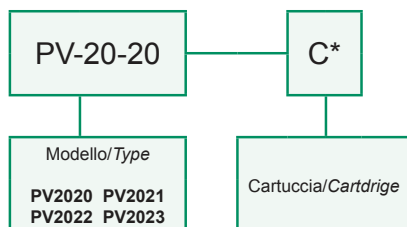
Portata massima <i>Max flow</i>	200 l/min <i>53 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Pressione aria di apertura <i>Opening air pressure</i>	2 bar <i>29 psi</i>
Coppia di serraggio <i>Installation torque</i>	230 ÷ 250 Nm <i>170 ÷ 150 lbt ft</i>

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



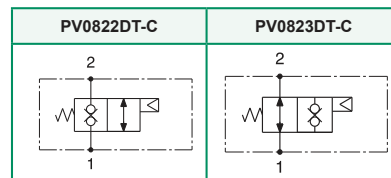
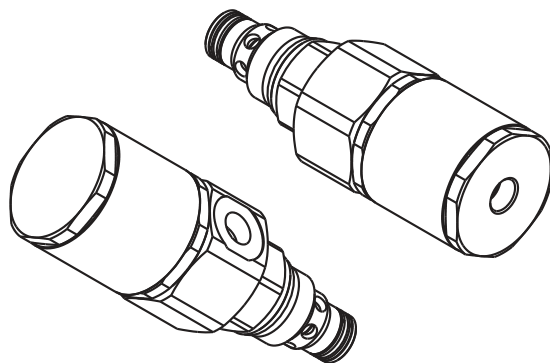
Sigla di ordinazione / Ordering code



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The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa
 Directional valve, pneumatic operated, normally closed – cartridge type

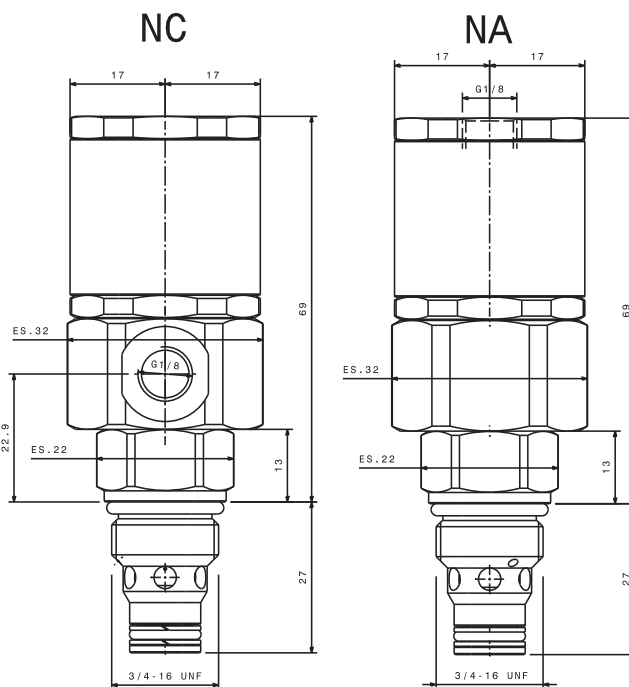
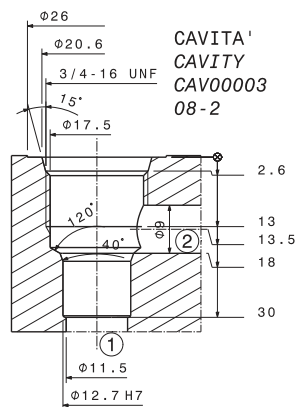
mod. PV-08-2X-DT-C



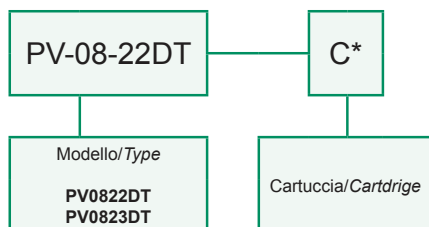
Portata massima Max flow	40 l/min 11 gpm
Pressione massima Max pressure	350 bar 5000 psi
Pressione aria di apertura Opening air pressure	2 bar 29 psi
Coppia di serraggio Installation torque	27 ÷ 30 Nm 20 ÷ 22.5 lbt ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



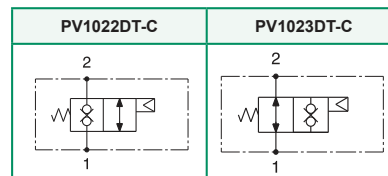
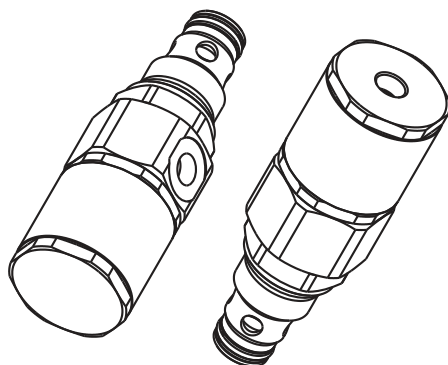
Sigla di ordinazione / Ordering code



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Valvola direzionale a cartuccia, ad azionamento pneumatico, normalmente chiusa
Directional valve, pneumatic operated, normally closed – cartridge type

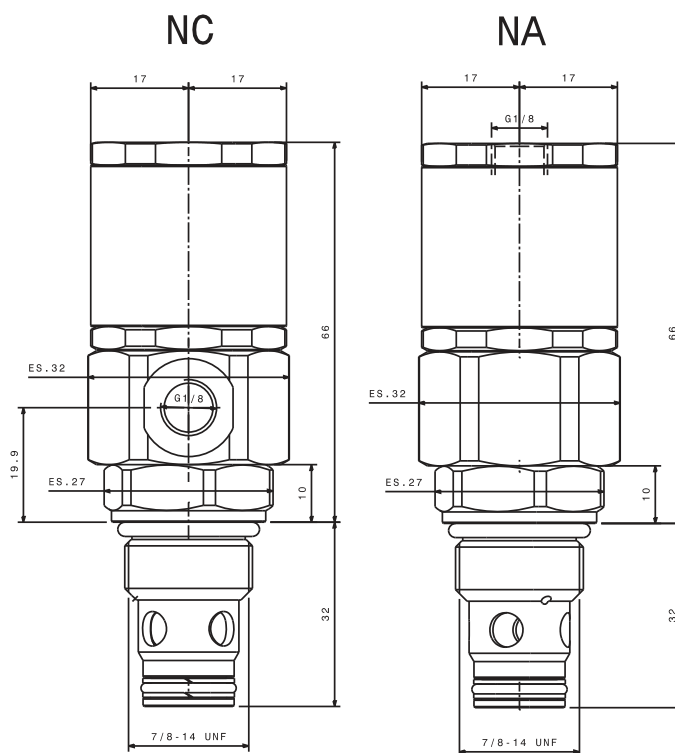
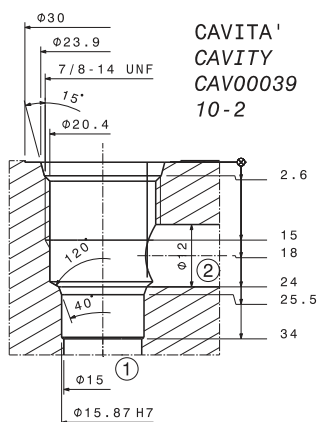
mod. PV-10-2X-DT-C



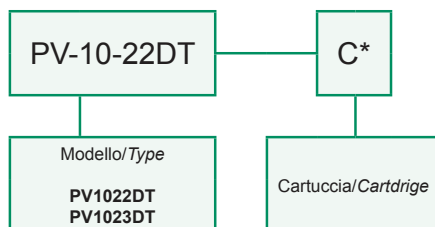
Portata massima Max flow	70 l/min 18.5 gpm
Pressione massima Max pressure	350 bar 5000 psi
Pressione aria di apertura Opening air pressure	2 bar 29 psi
Coppia di serraggio Installation torque	45 ÷ 50 Nm ÷ 37 lbf ft

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



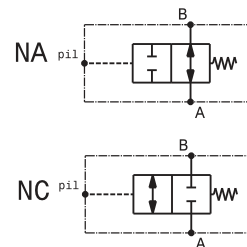
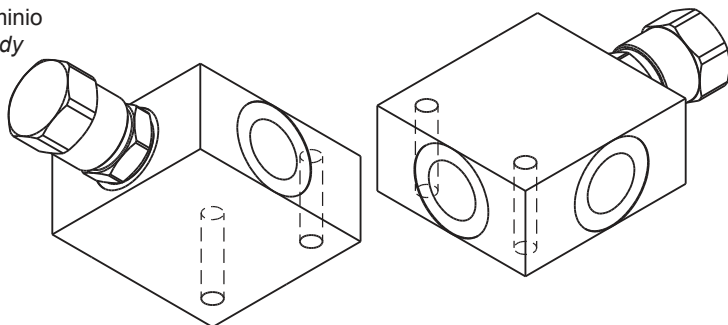
Sigla di ordinazione / Ordering code



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Valvole a tre vie pilotata
3 ways, pilot operated valve
mod. V3P

Corpo in alluminio
Aluminium body

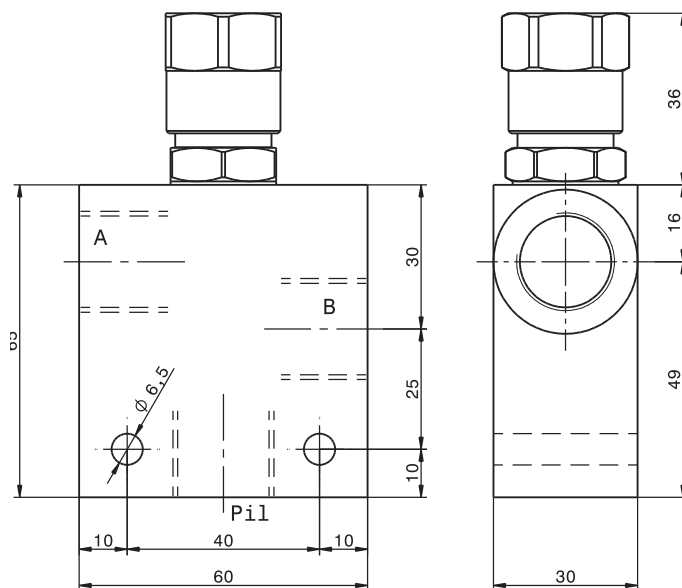


Modello Type	A, B, Pil	Portata max Max. flow	Pressione max Max. pressure
V3P-14	1/4" GAS	25 l/min 6.5 gpm	350 bar 5000 psi
V3P-38	3/8" GAS	40 l/min 10.5 gpm	350 bar 5000 psi
V3P-12	1/2" GAS	40 l/min 10.5 gpm	350 bar 5000 psi

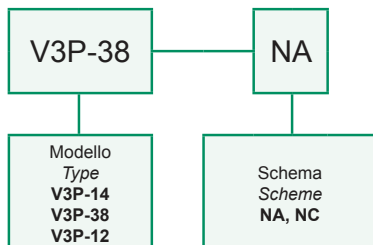
V3P-NC	Pressione d'apertura 10 bar Pilot to open pressure 145 psi
V3P-NA	Pressione di chiusura 10 bar Pilot to close pressure 145 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Sigla di ordinazione / Ordering code

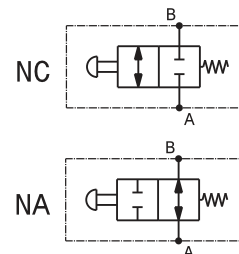
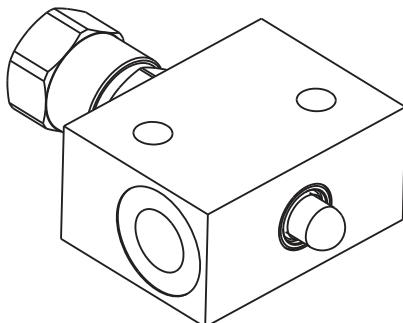


For flow diagram see
PRESSURE DROP DIRECTIONAL VALVE(1)

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola a due vie manuale
Two ways manual valve
mod. V2M

Corpo in alluminio
Aluminium body



Modello Type	A, B	Portata max Max. flow	Pressione max Max. pressure
V2M-14	1/4" GAS	25 l/min 6.6 gpm	350 bar 5000 psi
V2M-38	3/8" GAS	40 l/min 10.5 gpm	350 bar 5000 psi

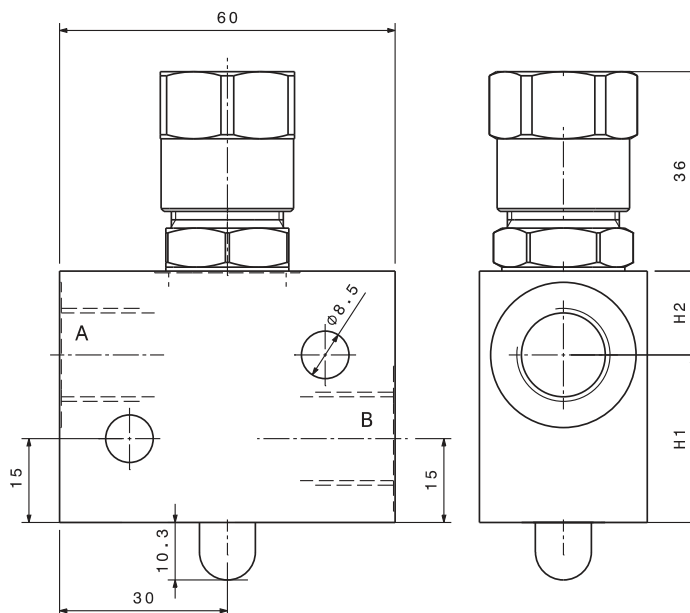
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

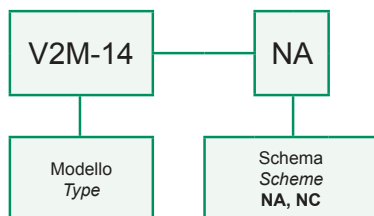
V2M-NC	Pressione d'apertura 10 bar Pilot to open pressure 145 psi
V2M-NA	Pressione di chiusura 10 bar Pilot to close pressure 145 psi

Corsa MAX MAX Stroke	7 mm
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Dimensioni Dimensions	H1	H2
V2M-14	31	14
V2M-38	30	15



Sigla di ordinazione / Ordering code

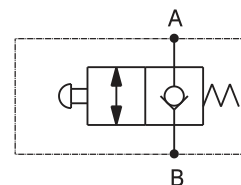
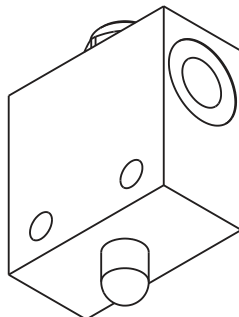
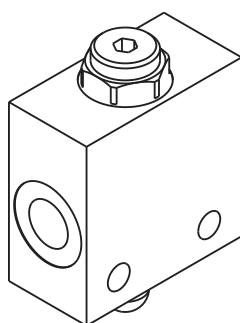


For flow diagram see
PRESSURE DROP DIRECTIONAL VALVE(1)

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The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola fine corsa
 End of stroke valve
 mod. VFC

Corpo in alluminio
 Aluminium body



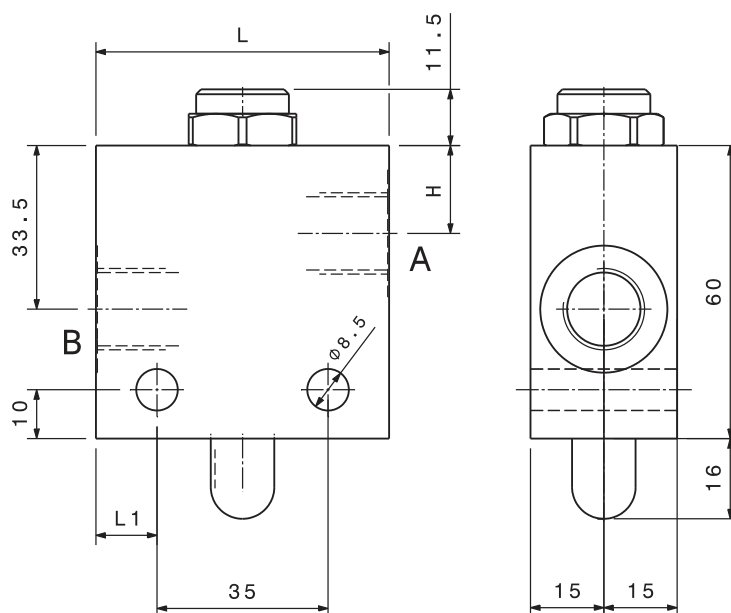
Modello Type	A, B	Portata max Max. flow	Pressione max Max. pressure
VFC-14	1/4" GAS	25 l/min 6.6 gpm	300 bar 4300 psi
VFC-38	3/8" GAS	40 l/min 10.5 gpm	300 bar 4300 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Corsa MAX
MAX Stroke **4,9 mm**

Dimensioni Dimensions	L	H
VFC-14	50	16
VFC-38	60	18



Sigla di ordinazione / Ordering code

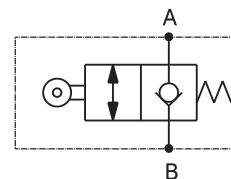
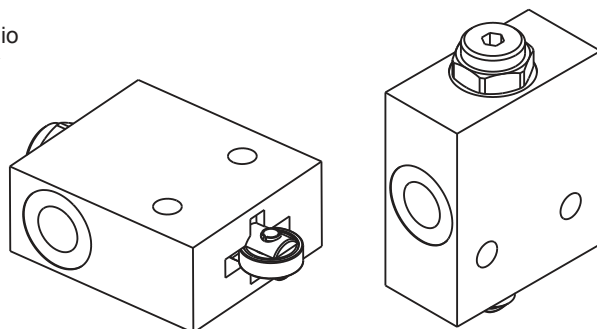
VFC-38

Modello
 Type
 VFC-14
 VFC-38

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola fine corsa con comando a cuscinetto
End of stroke valve with bearing control
mod. VFC-CC

Corpo in alluminio
Aluminium body



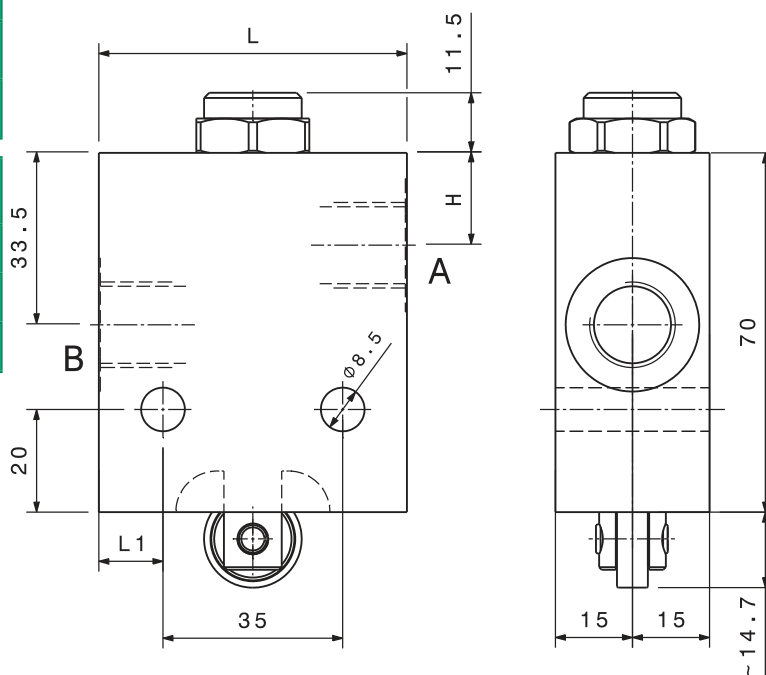
Modello Type	A, B	Portata max Max. flow	Pressione max Max. pressure
VFC-14-CC	1/4" GAS	25 l/min 6.6 gpm	300 bar 4300 psi
VFC-38-CC	3/8" GAS	40 l/min 10.5 gpm	300 bar 4300 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Corsa MAX MAX Stroke	4,9 mm
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Dimensioni Dimensions	L	H	L1
VFC-14-CC	50	16	7.5
VFC-38-CC	60	18	12.5



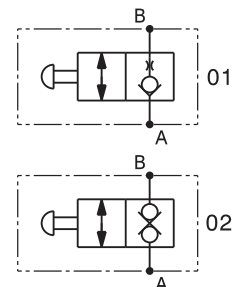
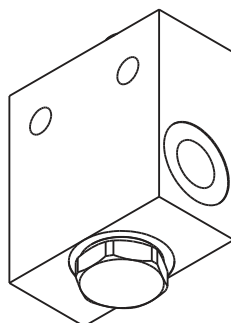
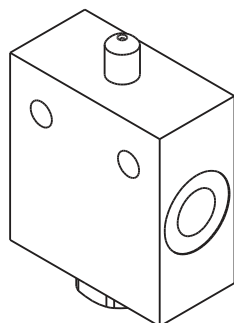
Sigla di ordinazione / Ordering code

VFC-38-CC

Modello
Type
VFC-14-CC
VFC-38-CC

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di fine corsa in acciaio
End of stroke valve, steel
 mod. VFCA (1/4"-3/8"BSP)



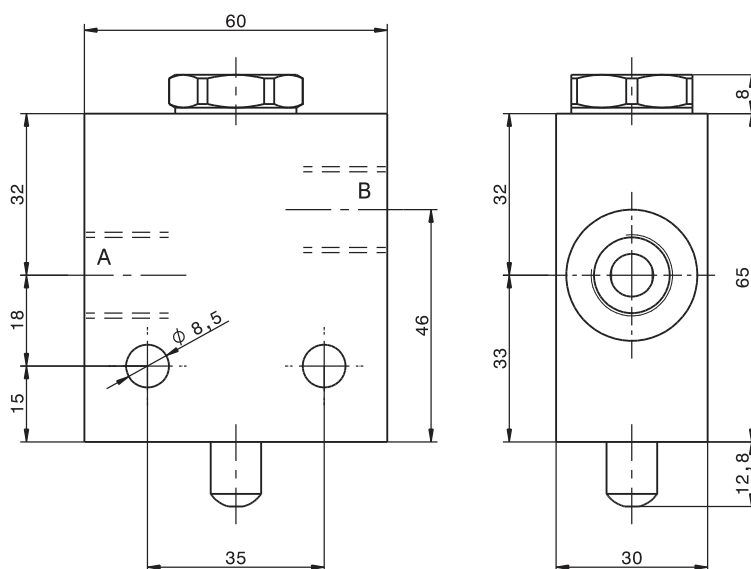
Corpo in acciaio
Steel body

Modello Type	A, B	Portata max Max. flow	Pressione max Max. pressure
VFCA-14	1/4" GAS	25 l/min 6.6 gpm	350 bar 5000 psi
VFCA-38	3/8" GAS	40 l/min 10.5 gpm	350 bar 5000 psi

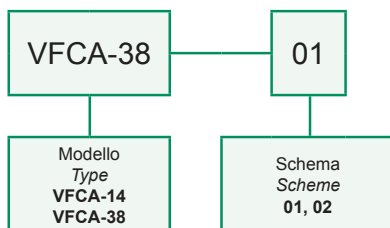
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Corsa MAX MAX Stroke	7 mm
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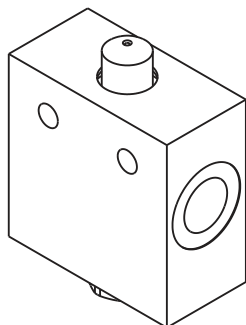


Sigla di ordinazione / Ordering code

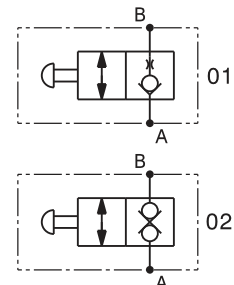
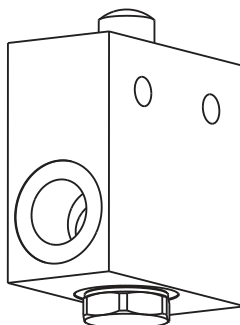


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola di fine corsa in acciaio
End of stroke valve, steel
mod. VFCA (1/2"-3/4"BSP)



Corpo in acciaio
Steel body



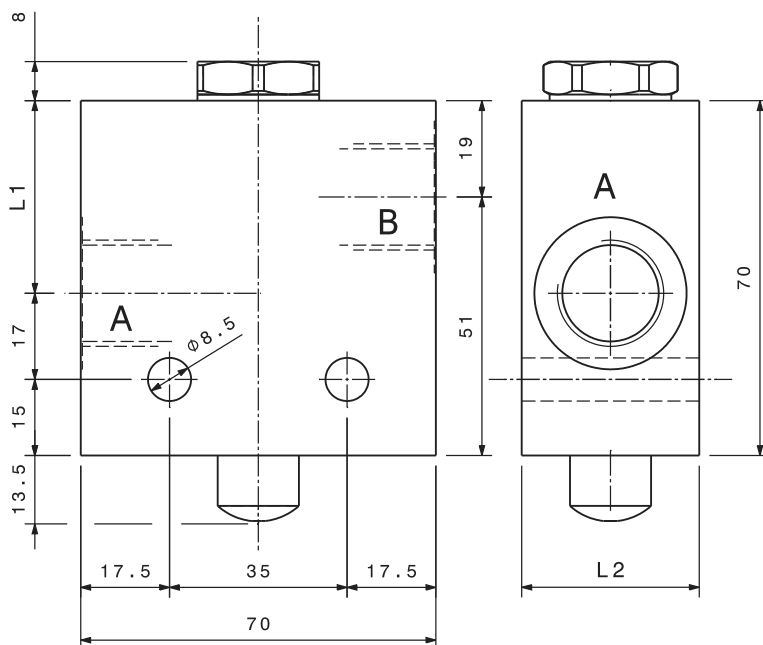
Modello Type	A, B	Portata max Max. flow	Pressione max Max. pressure
VFCA-12	1/2" GAS	80 l/min 21 gpm	350 bar 5000 psi
VFCA-34	3/4" GAS	100 l/min 26 gpm	350 bar 5000 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

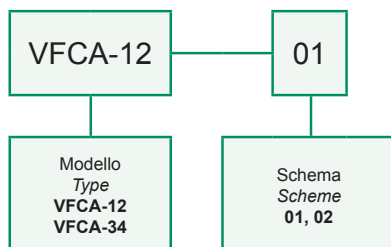
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Corsa MAX MAX Stroke	4,5 mm
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Dimensioni Dimensions	L1	L2
VFCA-12	38	35
VFCA-34	34	40

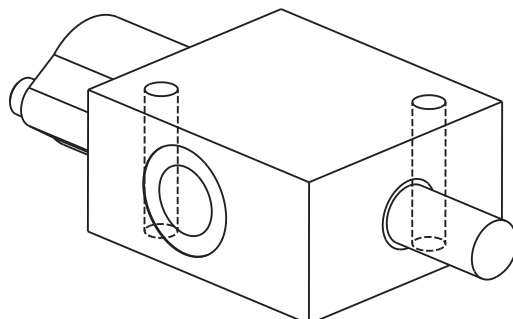


Sigla di ordinazione / Ordering code

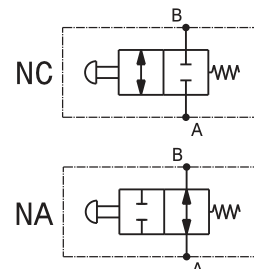


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
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Valvola fine corsa
End of stroke valve
mod. VFCA-60-12



Corpo in acciaio
Steel body

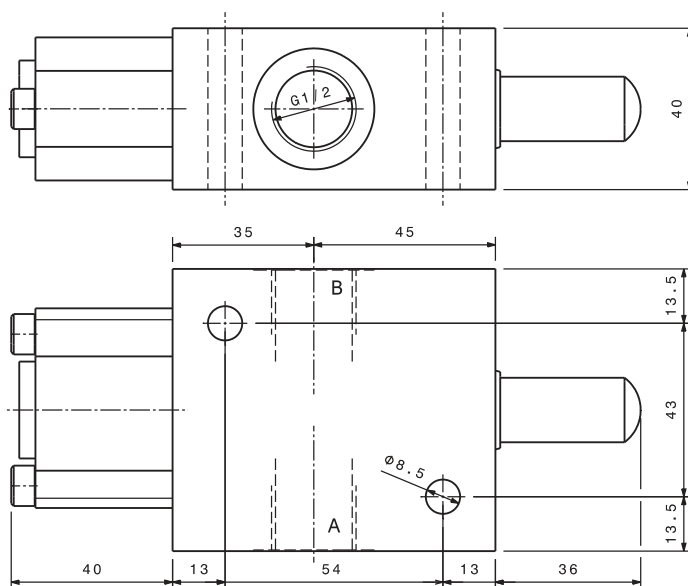


Modello Type	A, B	Portata max Max. flow	Pressione max Max. pressure
VFCA-60-12-NC	1/2" GAS	60 l/min 16 gpm	350 bar 5000 psi
VFCA-60-12-NA	1/2" GAS	60 l/min 16 gpm	350 bar 5000 psi

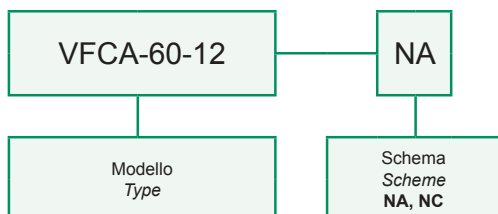
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Corsa MAX MAX Stroke	10,9 mm
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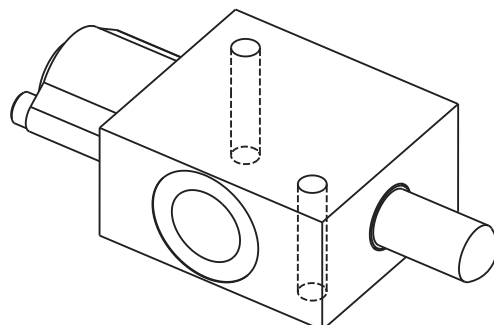


Sigla di ordinazione / Ordering code

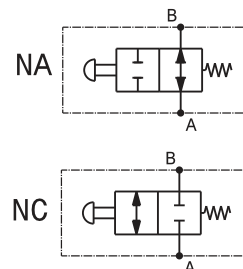


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Valvola fine corsa
End of stroke valve
mod. VFCA-90-34



Corpo in acciaio
Steel body

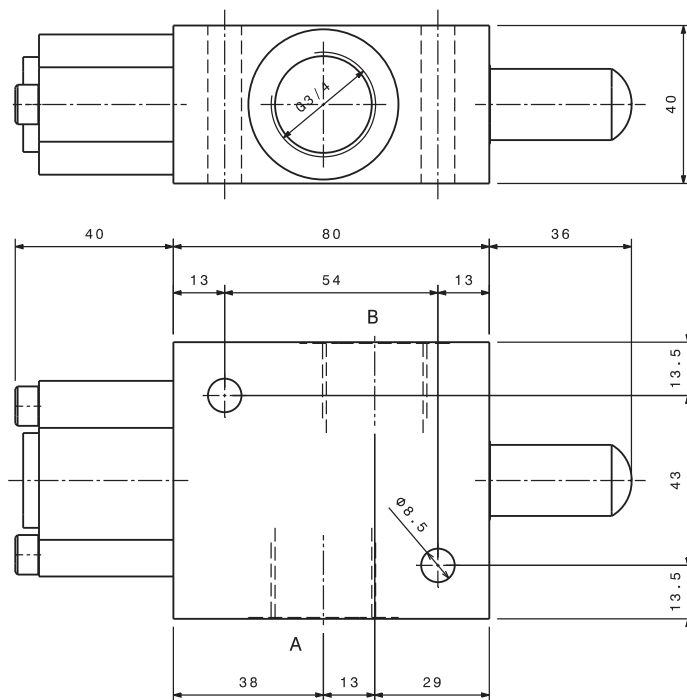


Modello Type	A, B	Portata max Max. flow	Pressione max Max. pressure
VFCA-90-34-NC	3/4" GAS	90 l/min 24 gpm	350 bar 5000 psi
VFCA-90-34-NA	3/4" GAS	90 l/min 24 gpm	350 bar 5000 psi

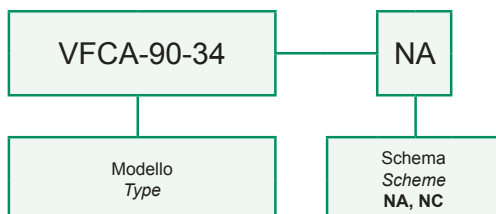
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Corsa MAX MAX Stroke	10,9 mm
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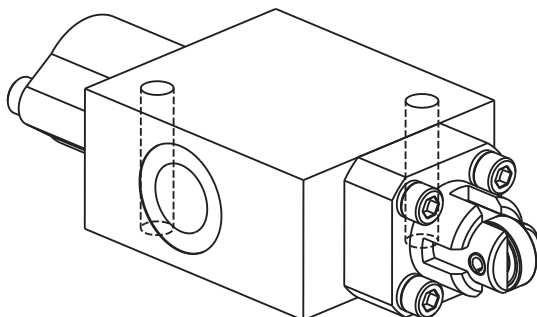


Sigla di ordinazione / Ordering code

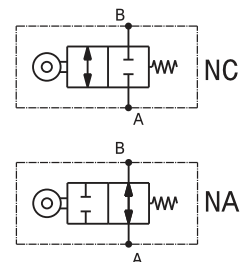


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola fine corsa con comando a cuscinetto
End of stroke valve with bearing control
mod. VFC-A-60-12-CC



Corpo in acciaio
Steel body

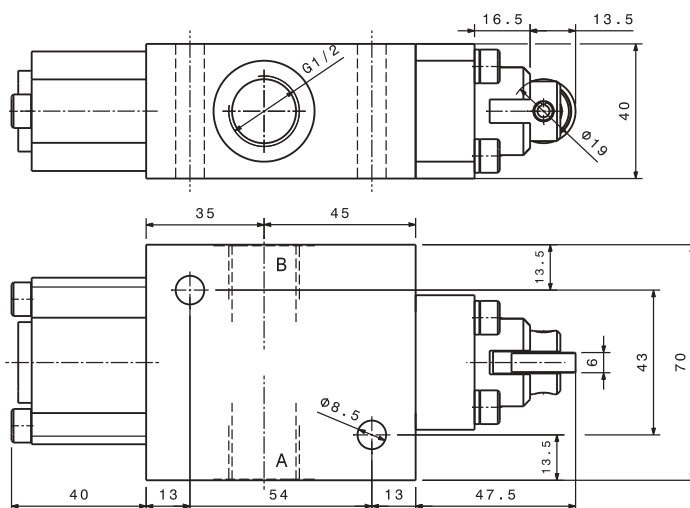


Modello Type	A, B	Portata max Max. flow	Pressione max Max. pressure
VFCA-60-12-CC-NC	1/2" GAS	60 l/min 16 gpm	350 bar 5000 psi
VFCA-60-12-CC-NA	1/2" GAS	60 l/min 16 gpm	350 bar 5000 psi

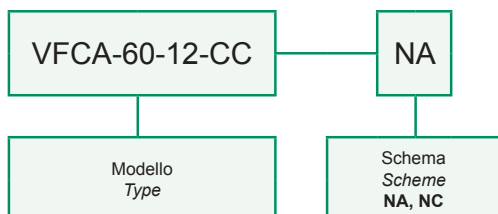
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Corsa MAX MAX Stroke	10,9 mm
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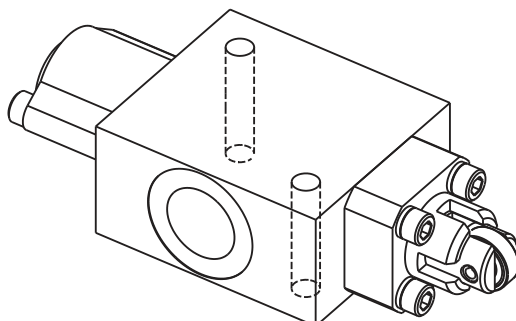


Sigla di ordinazione / Ordering code

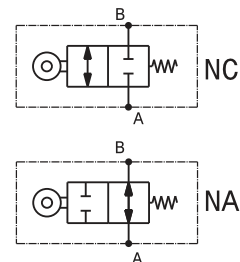


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola fine corsa con comando a cuscinetto
End of stroke valve with bearing control
mod. VFCA-90-34-CC



Corpo in acciaio
Steel body

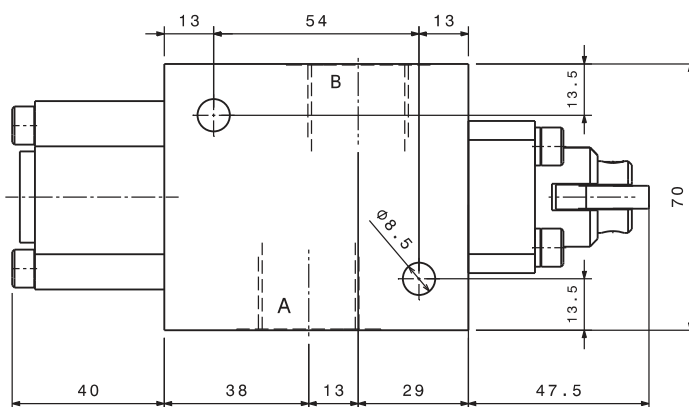
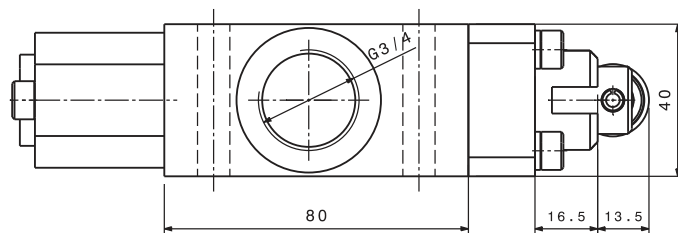


Modello Type	A, B	Portata max Max. flow	Pressione max Max. pressure
VFCA-90-34-CC-NC	3/4" GAS	90 l/min 24 gpm	350 bar 5000 psi
VFCA-90-34-CC-NA	3/4" GAS	90 l/min 24 gpm	350 bar 5000 psi

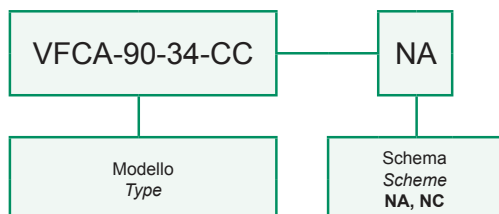
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Corsa MAX MAX Stroke	10,9 mm
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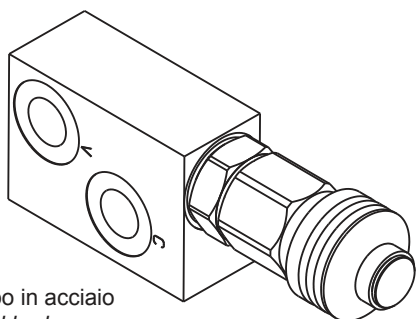


Sigla di ordinazione / Ordering code

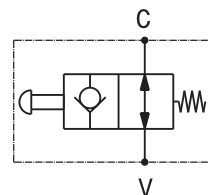
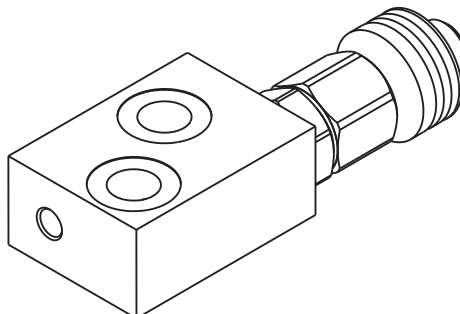


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola arresto cilindro
Cylinder lock valve
mod. VAC-38-38-A



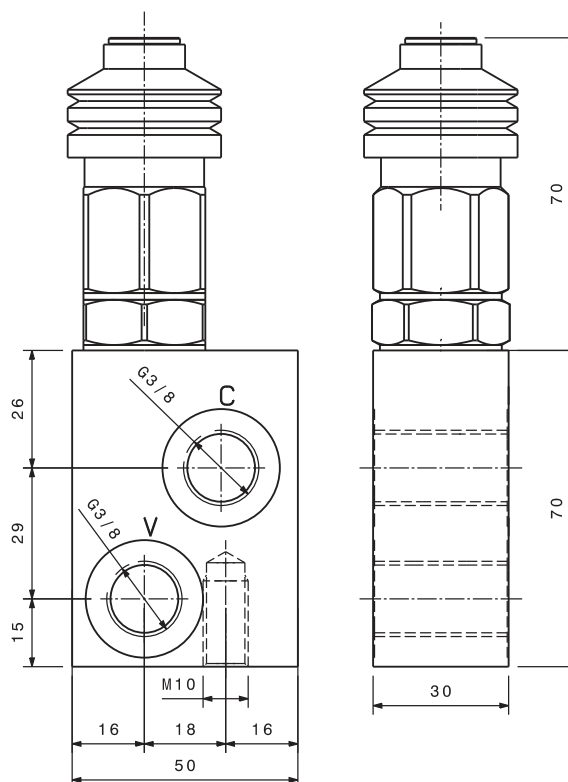
Corpo in acciaio
Steel body



Modello Type	V, C	Portata max Max. flow	Pressione max Max. pressure
VAC-38-38	3/8" GAS	40 l/min 10.5 gpm	300 bar 4300 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



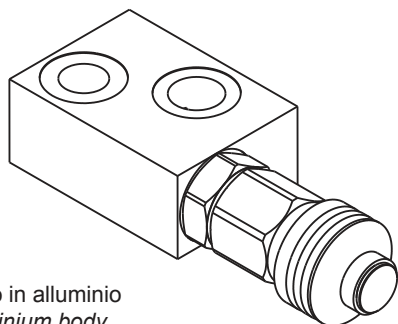
Sigla di ordinazione / Ordering code

VAC-38-38-A

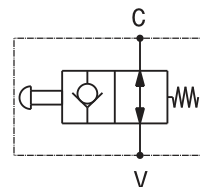
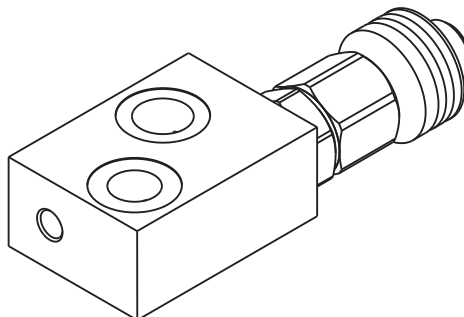
Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola arresto cilindro - flangiabile
Cylinder lock flangeable valve
mod. VAC



Corpo in alluminio
Alluminium body

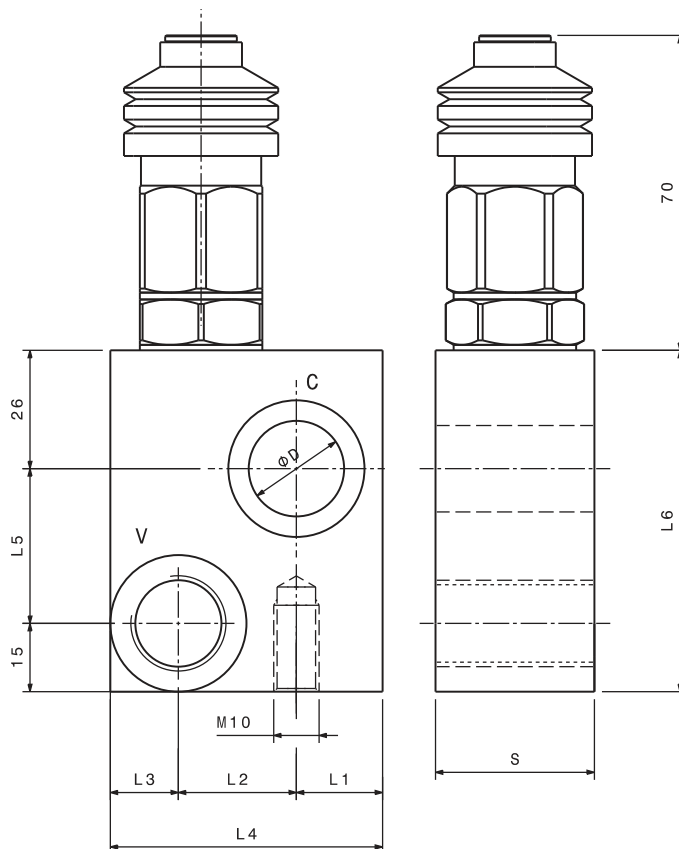


Modello Type	V	Portata max Max. flow	Pressione max Max. pressure
VAC-38	3/8" GAS	40 l/min 10.5 gpm	300 bar 4300 psi
VAC-12	1/2" GAS	40 l/min 10.5 gpm	300 bar 4300 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Vite cava disponibile a richiesta <i>Nipple screw</i> available upon request	Codice di ordinazione <i>Ordering Code</i>
	KITV0002 (VAC-38)
	KITV0006 (VAC-12)



Sigla di ordinazione / Ordering code

VAC-38

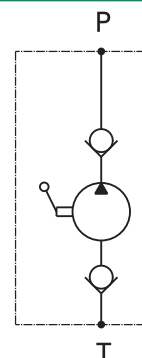
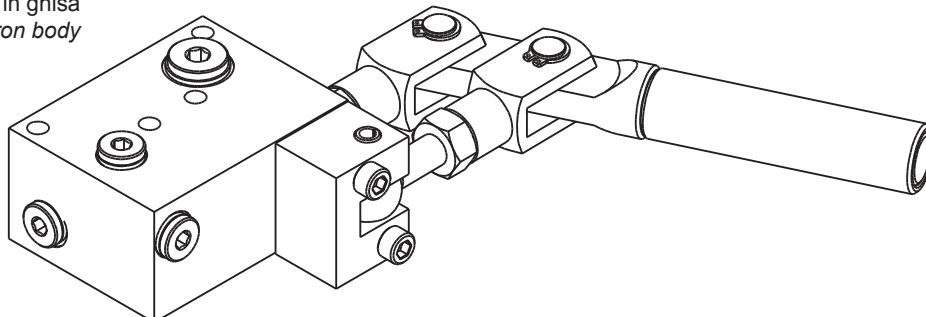
Modello
Type
(38-12)

Modello Type	L1	L2	L3	L4	L5	L6	S	V	D (Ø)
VAC-38	16	18	16	50	29	70	30	3/8" GAS	17
VAC-12	19	26	15	60	34	75	35	1/2" GAS	21

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Pompa a mano
Hand pump
mod. PM15

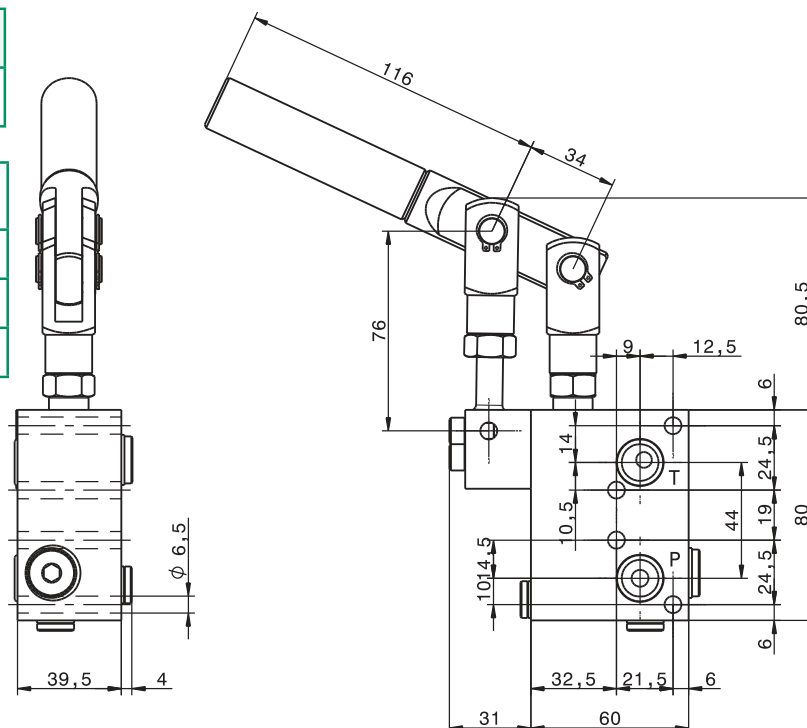
Corpo in ghisa
Cast iron body



Cilindrata Displacement	5.8 cm³
Pressione massima in entrata Max inlet pressure	250 bar 3600 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Sigla di ordinazione / Ordering code

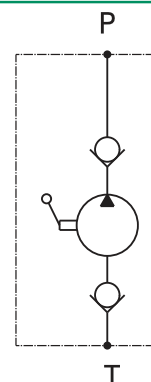
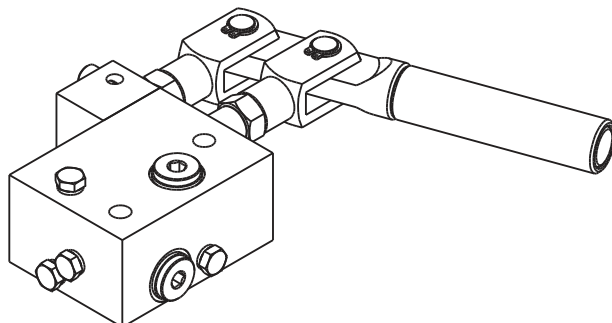
PM15

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Pompa a mano
Hand pump
mod. **PM15-2**

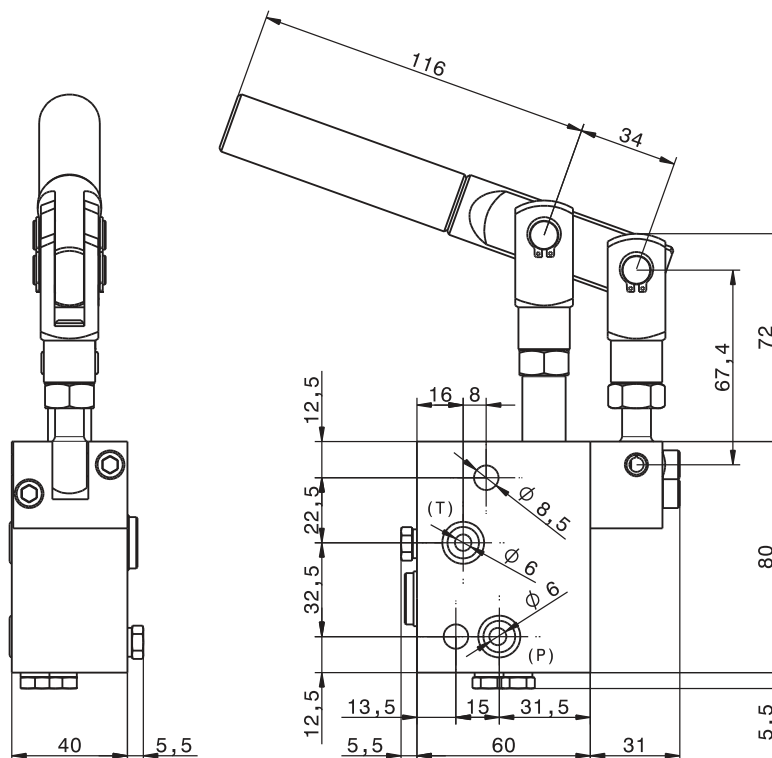
Corpo in ghisa
Cast iron body



Cilindrata <i>Displacement</i>	5.8 cm³
Pressione massima in entrata <i>Max inlet pressure</i>	250 bar 3600 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



Sigla di ordinazione / Ordering code

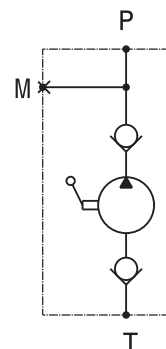
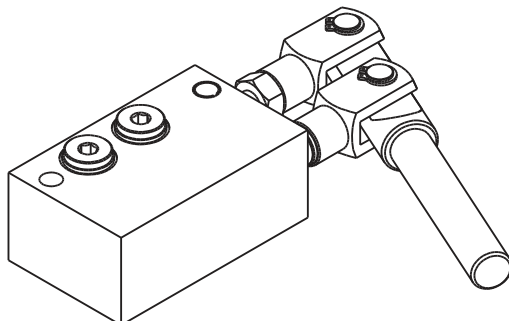
PM15-2

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
*The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.*

Pompa a mano
 Hand pump
 mod. BM007200

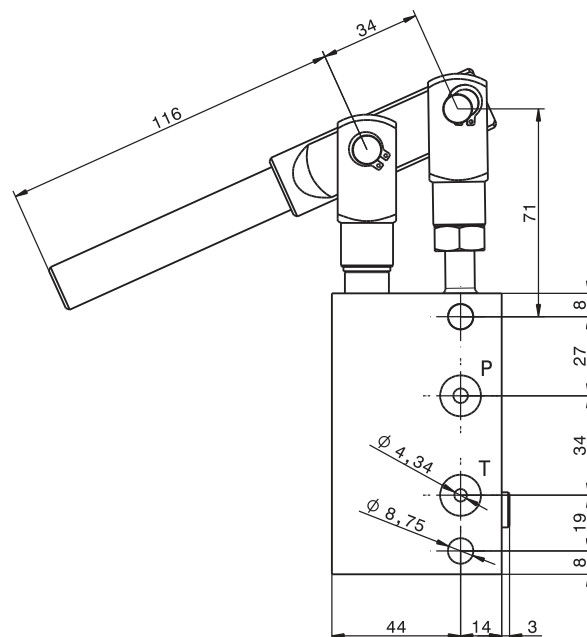
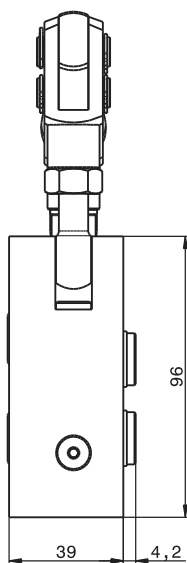
Corpo in ghisa
 Cast iron body



Cilindrata Displacement	5.8 cm³
Pressione massima in entrata Max inlet pressure	250 bar 3600 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Sigla di ordinazione / Ordering code

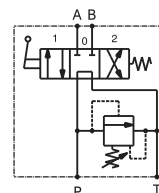
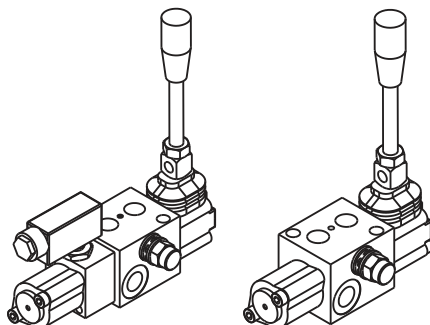
BM007200

Modello
 Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola direzionale con comando a leva, corpo in ghisa
Directional valve, lever operated, cast iron body

mod. DM-1



Modello Type	Portata massima Max flow	Pressione massima Max pressure P, A, B	Pressione massima Max pressure T
DM-1	30 l/min 8 gpm	350 bar 5000 psi	150 bar 2200 psi
*DM-1-M	30 l/min 8 gpm	350 bar 5000 psi	150 bar 2200 psi

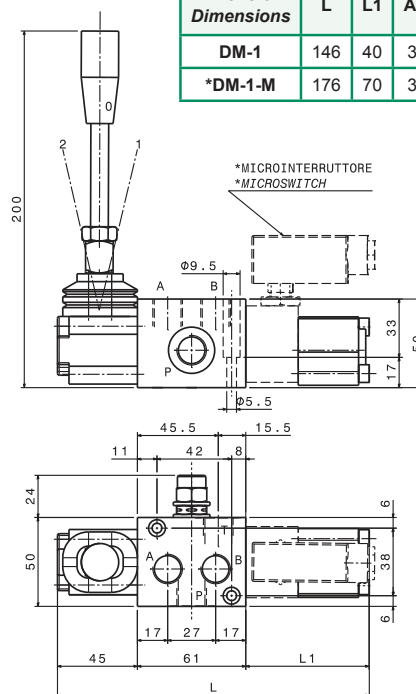
Portata massima circuito 1: 20 l/min
Maximum flow, circuit 1: 20 l/min

Corsa MAX
MAX Stroke

5.5 mm

* con predisposizione microinterruttore
* with microswitch predisposition

Dimensioni Dimensions	L	L1	A, B, P, T
DM-1	146	40	3/8" GAS
*DM-1-M	176	70	3/8" GAS



CIRCUITO
CIRCUIT

standard

su richiesta
upon request

1		8	
2		9	
3		10	
4		11	
5		12	
6		13	
7		14	

POSIZIONATORE
SPOOL CONTROL

A	
B	
C	
D	
E	
F	
H	
L	
Q	
R	
S	

Il posizionatore di tipo C
ha una lunghezza di
30 mm in più
The type C positioner
has a length of
30 mm more

For flow diagram see
PRESSURE DROP MANUAL DISTRIBUTOR (1)

Sigla di ordinazione / Ordering code

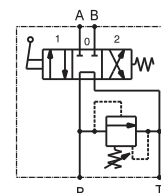
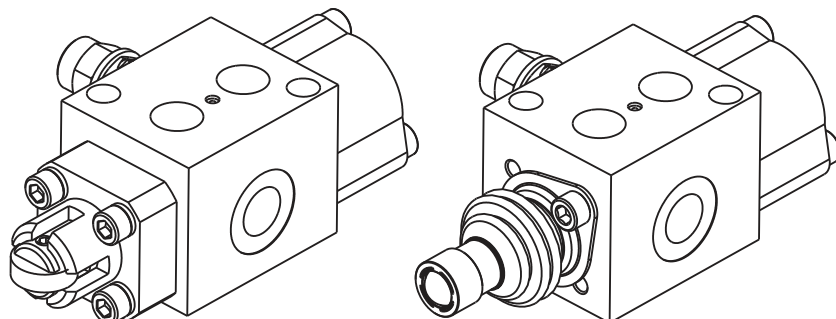
DM-1	M	A	1
Modello Type	M Con microinterruttore With microswitch - Senza microinterruttore Without microswitch	Posizionatore Spool Control	Circuito Circuit

Taratura valvola limitatrice di pressione Pressure relief valve setting	
Taratura standard Standard settings (Q=5 l/min)	Campo di taratura Adj. Pressure range
180 bar 2610 psi	20 ÷ 190 bar 290 ÷ 2755 psi
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliata Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola direzionale con comando a cuscinetto / sfera, corpo in ghisa
Directional valve, bearing control / cam control, cast iron body

mod. DM-1-CC / DM-1-CS



Modello <i>Type</i>	Portata massima <i>Max flow</i>	Pressione massima <i>Max pressure</i> P, A, B	Pressione massima <i>Max pressure</i> T
DM-1-CC	30 l/min <i>8 gpm</i>	350 bar <i>5000 psi</i>	150 bar <i>2200 psi</i>
DM-1-CS	30 l/min <i>8 gpm</i>	350 bar <i>5000 psi</i>	150 bar <i>2200 psi</i>

Portata massima circuito 1: 20 l/min
Maximum flow, circuit 1: 20 l/min

Corsa MAX

5.5 mm

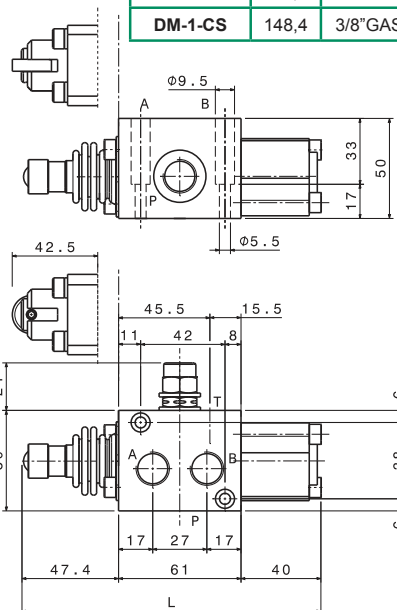
Dimensioni <i>Dimensions</i>	L	A, B, P, T
DM-1-CC	143,5	3/8" GAS
DM-1-CS	148,4	3/8" GAS

TIPO CC
CC TYPE

TIPO CS
CS TYPE

TIPO CC
CC TYPE

TIPO CS
CS TYPE

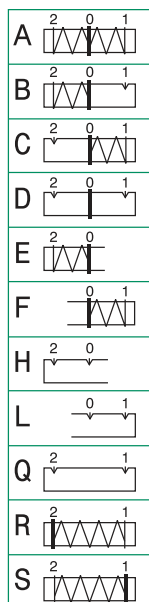
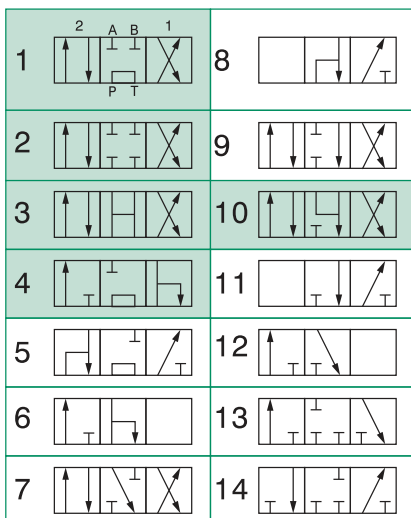


For flow diagram see
PRESSURE DROP MANUAL DISTRIBUTOR (1)

CIRCUITO
CIRCUIT

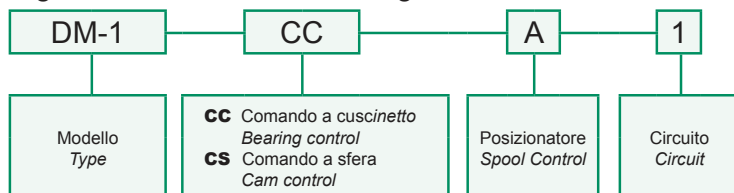
standard

su richiesta
upon request



Il posizionatore di **tipo C**
ha una lunghezza di
30 mm in più
*The **type C** positioner
has a lenght of
30 mm more*

Sigla di ordinazione / Ordering code



Taratura valvola limitatrice di pressione
Pressure relief valve setting

Taratura standard <i>Standard settings (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>
180 bar 2610 psi	20 ÷ 190 bar 290 ÷ 2755 psi

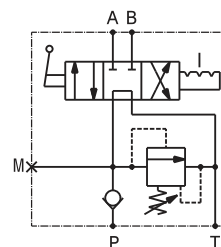
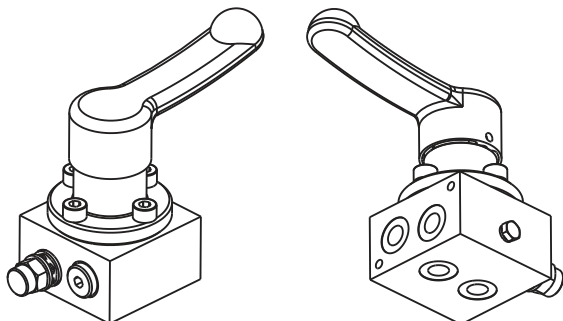
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
*The specifications are not binding. **CBF** reserves the right to introduce modifications without notice.*

Distributore manuale - acciaio
Directional control valve - steel

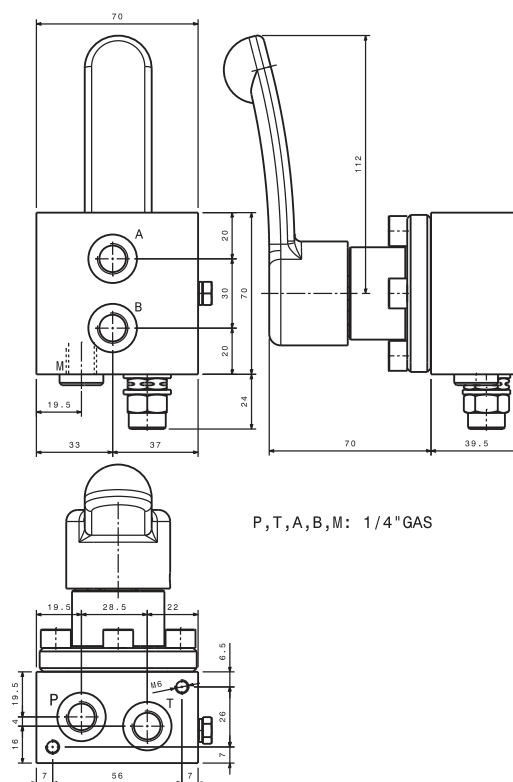
mod. DM-4



Portata massima Max flow	10 l/min 2,6 gpm
Pressione massima Max pressure	400 bar 5800 psi

Taratura valvola limitatrice di pressione Pressure relief valve setting	
Taratura standard Standard settings (Q=5 l/min)	Campo di taratura Adj. Pressure range
360 bar 5200 psi	60 ÷ 400 bar 870 ÷ 5800 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C	
Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



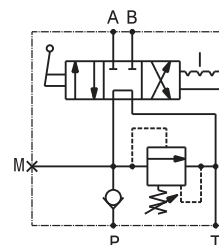
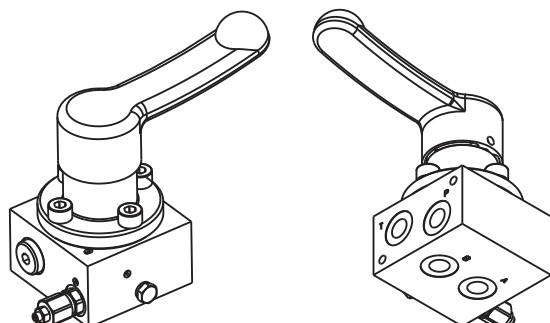
Sigla di ordinazione / Ordering code

DM-4

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Distributore manuale - Alluminio
Directional control valve - Aluminium
mod. DM-41

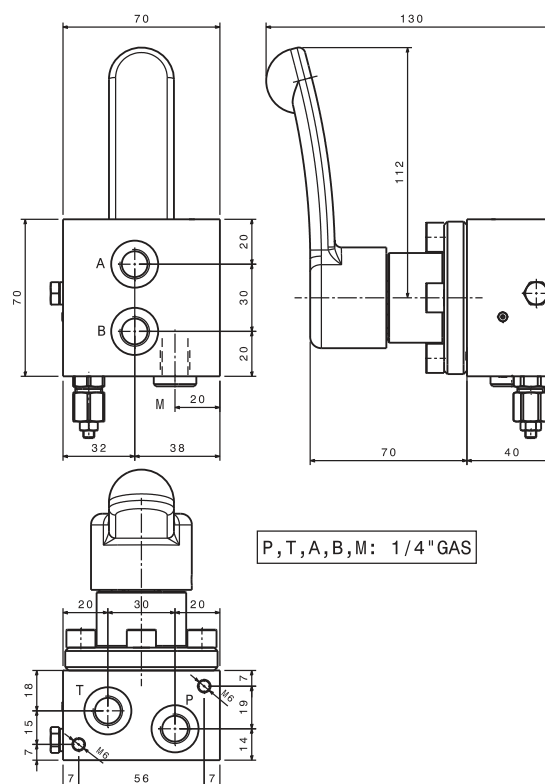


Portata massima <i>Max flow</i>	10 l/min <i>2,6 gpm</i>
Pressione massima <i>Max pressure</i>	400 bar <i>5800 psi</i>

Taratura valvola limitatrice di pressione <i>Pressure relief valve setting</i>	
Taratura standard <i>Standard settings (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>
360 bar 5200 psi	60 ÷ 400 bar 870 ÷ 5800 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



Sigla di ordinazione / Ordering code

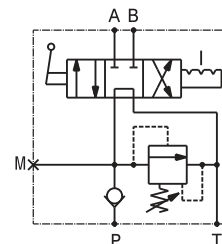
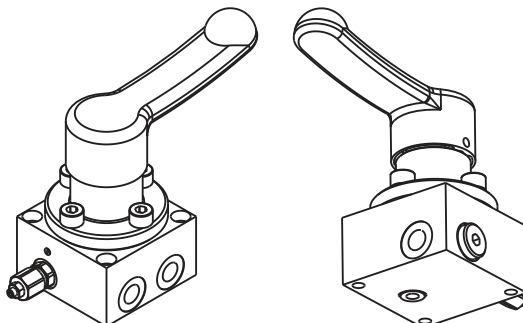
DM-41

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Distributore manuale flangiabile
Directional control valve flangeable
mod. DM-4-F

Corpo in alluminio
Aluminium body

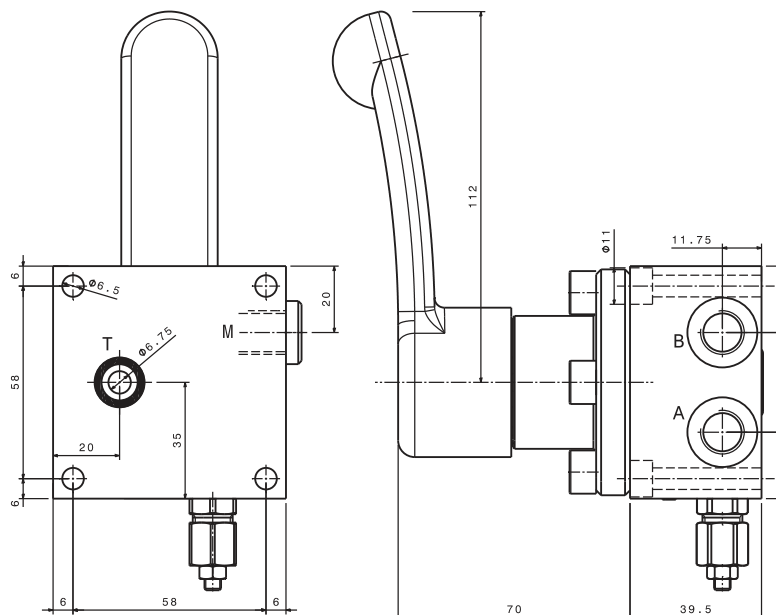


Portata massima <i>Max flow</i>	10 l/min <i>2.6 gpm</i>
Pressione massima <i>Max pressure</i>	400 bar <i>5800 psi</i>

Taratura valvola limitatrice di pressione <i>Pressure relief valve setting</i>	
Taratura standard <i>Standard settings (Q=5 l/min)</i>	Campo di taratura <i>Adj. Pressure range</i>
360 bar 5200 psi	60 ÷ 400 bar 870 ÷ 5800 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



Sigla di ordinazione / Ordering code

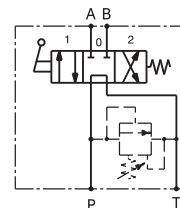
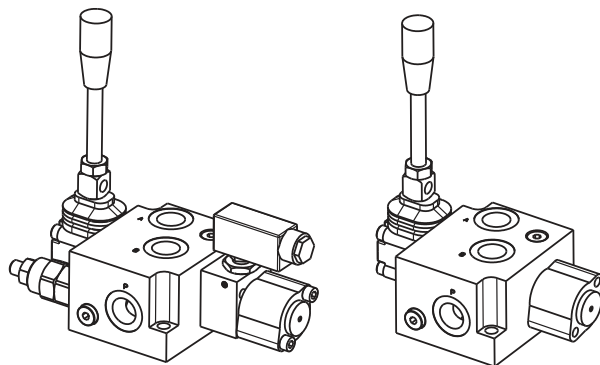
DM-4-F

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola direzionale con comando a leva, con o senza valvola di massima, corpo in ghisa
Directional valve, lever operated, with or without relief valve, cast iron body

mod. DM-80-VLP80



Modello Type	Portata massima Max flow	Pressione massima Max pressure P, A, B, T
DM-80	80 l/min 21 gpm	350 bar 5000 psi
*DM-80-M	80 l/min 21 gpm	350 bar 5000 psi

Corsa MAX MAX Stroke	5.5 mm
-------------------------	--------

Dimensioni Dimensions	L	A, B, P, T
DM-80	40	1/2" GAS
*DM-80-M	70	1/2" GAS

* con predisposizione microinterruttore
 * with microswitch predisposition

CIRCUITO
CIRCUIT

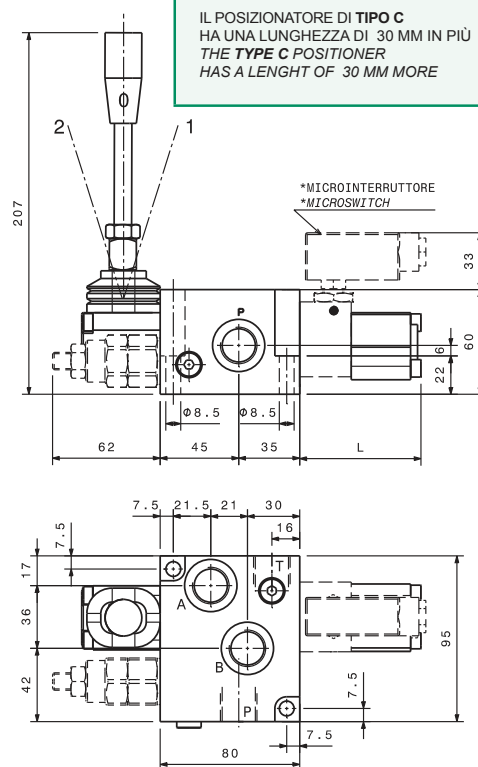
standard

su richiesta
upon request

1	2	A B 1	8	
2			9	
3			10	
4			11	
5			12	
6			13	
7			14	

POSIZIONATORE
SPOOL CONTROL

A	2	0	1
B	2	0	1
C	2	0	1
D	2	0	1
E	2	0	1
F	2	0	1
H	2	0	1
L	2	0	1
Q	2	0	1
R	2	0	1
S	2	0	1



IL POSIZIONATORE DI TIPO C
 HA UNA LUNGHEZZA DI 30 MM IN PIÙ
 THE TYPE C POSITIONER
 HAS A LENGTH OF 30 MM MORE

*MICROINTERRUTTORE
 *MICROSWITCH

Per informazioni sulla taratura e regolazioni
 della valvola di massima, vedere la pag. VLP80C.
 For further information regarding setting and adjustment
 of pressure relief valve, see pag. VLP80C.

Sigla di ordinazione / Ordering code

DM-80 — M — A — 1 — VLP80-02-A

Modello Type	M Con microinterruttore With microswitch - Senza microinterruttore Without microswitch	Posizionatore Spool Control	Circuito Circuit
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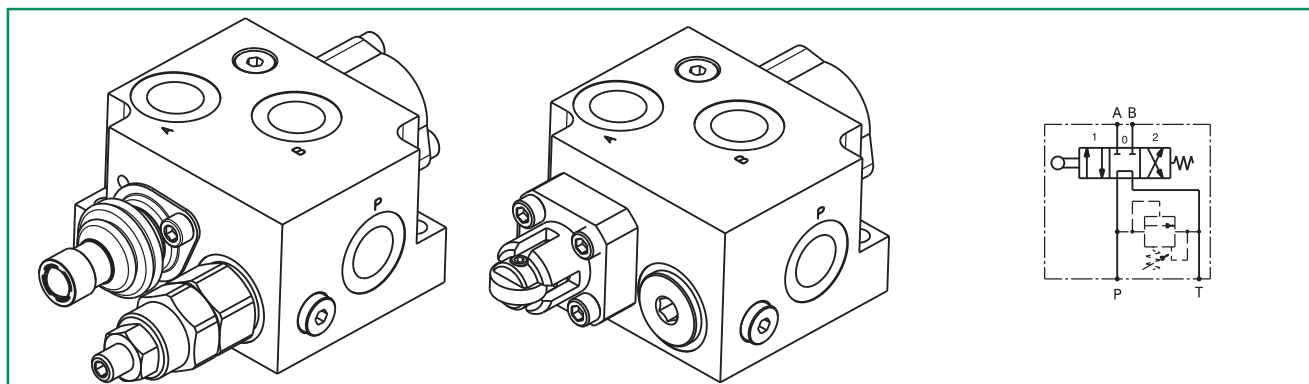
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with
 30 cSt viscosity at 50°C

Viscosità consigliata Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola direzionale con comando a cuscinetto / sfera, con o senza valvola di massima corpo in ghisa
Directional valve, bearing control / cam control, with or without relief valve, cast iron body

mod. DM-80-CC / DM-80-CS - VLP80



Modello Type	Portata massima Max flow	Pressione massima Max pressure P, A, B, T	A, B, P, T
DM-80-CC	80 l/min 21 gpm	350 bar 5000 psi	1/2" GAS
DM-80-CS	80 l/min 21 gpm	350 bar 5000 psi	1/2" GAS

IL POSIZIONATORE DI TIPO C
HA UNA LUNGHEZZA DI 30 MM IN PIÙ
THE TYPE C POSITIONER
HAS A LENGTH OF 30 MM MORE

CIRCUITO
CIRCUIT

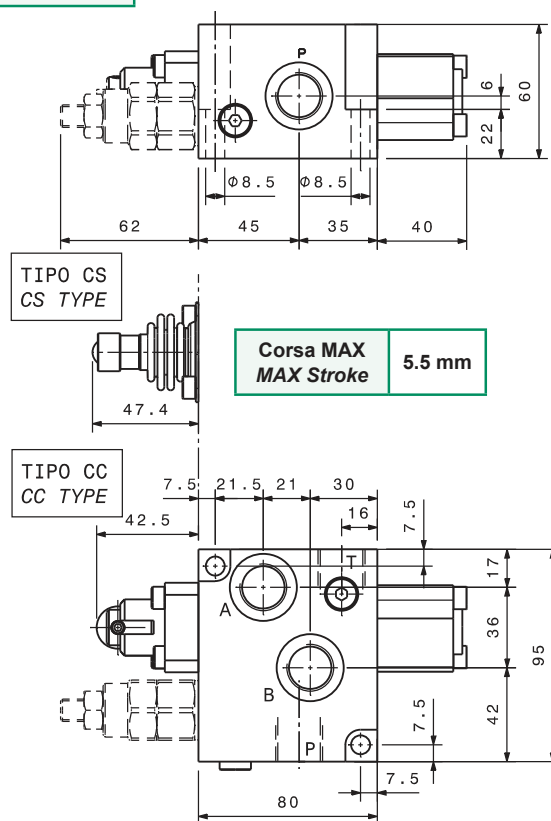
standard

su richiesta
upon request

1	2	A B 1	8
2	1	A B 2	9
3	1	A B 3	10
4	1	A B 4	11
5	1	A B 5	12
6	1	A B 6	13
7	1	A B 7	14

POSIZIONATORE
SPOOL CONTROL

A	2	0	1
B	2	0	1
C	2	0	1
D	2	0	1
E	2	0	1
F	2	0	1
H	2	0	1
L	2	0	1
Q	2	0	1
R	2	0	1
S	2	0	1



Sigla di ordinazione / Ordering code

DM-80	CC	A	1	VLP80-02-A
Modello Type	CC Comando a cuscinetto Bearing control CS Comando a sfera Cam control	Posizionatore Spool Control	Circuito Circuit	

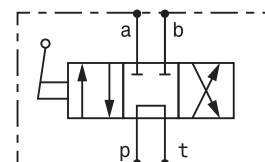
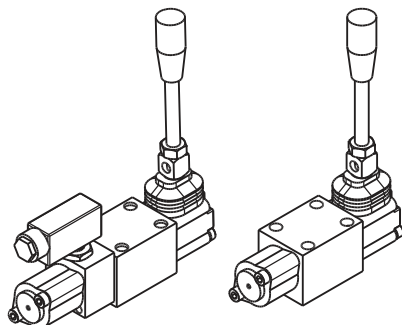
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliata Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola con comando a leva - luce 6 - corpo in ghisa
Directional valve, lever operated - NG6 - cast iron body

mod. DC-3

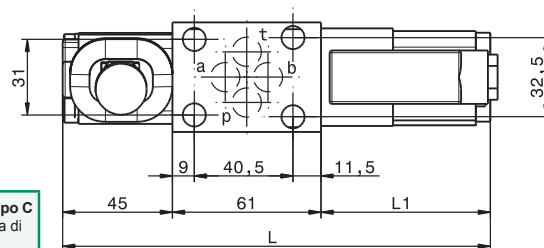
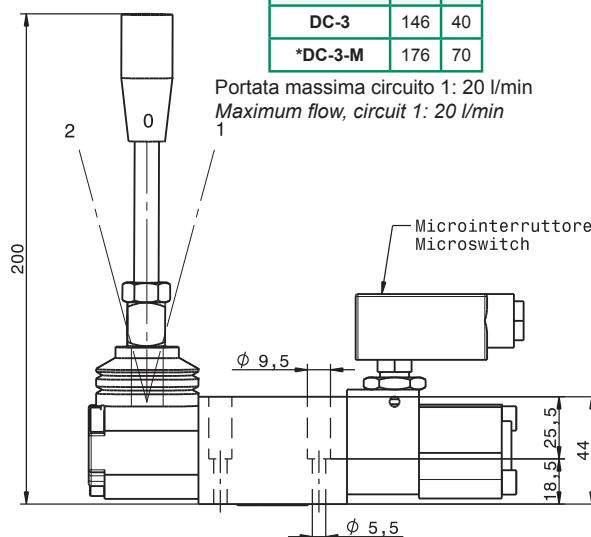


Modello Type	Portata massima Max flow	Pressione massima Max pressure P, A, B	Pressione massima Max pressure T	Corsa MAX MAX Stroke
DC-3	30 l/min 8 gpm	350 bar 5000 psi	150 bar 2200 psi	5.5 mm
DC-3-M*	30 l/min 8 gpm	350 bar 5000 psi	150 bar 2200 psi	

* con predisposizione microinterruttore
 * with microswitch predisposition

Dimensioni Dimensions	L	L1
DC-3	146	40
*DC-3-M	176	70

Portata massima circuito 1: 20 l/min
 Maximum flow, circuit 1: 20 l/min



CIRCUITO
CIRCUIT

standard

su richiesta
upon request

1	2	3	4	5	6	7	8	9	10	11	12	13	14

POSIZIONATORE
SPOOL CONTROL

A	
B	
C	
D	
E	
F	
H	
L	
Q	
R	
S	

Il posizionatore di tipo C
 ha una lunghezza di
 30 mm in più
 The type C positioner
 has a length of
 30 mm more

For flow diagram see
 PRESSURE DROP MANUAL DISTRIBUTOR (2)

Sigla di ordinazione / Ordering code

DC-3	M	A	1
Modello Type	M Con microinterruttore With microswitch - Senza microinterruttore Without microswitch	Posizionatore Spool Control	Circuito Circuit

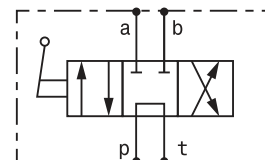
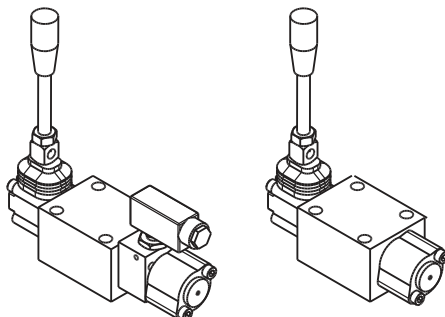
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with
 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola con comando a leva - luce 10 - corpo in ghisa
Directional valve, lever operated - NG10 - cast iron body

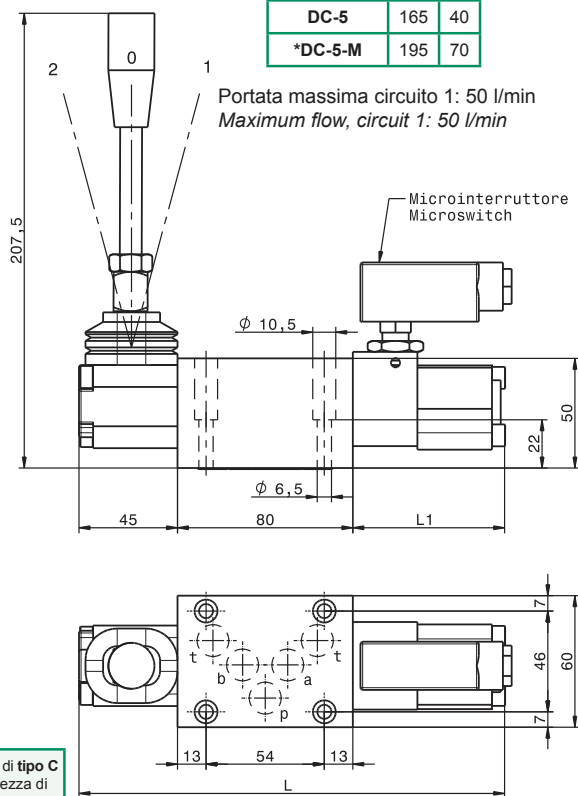
mod. DC-5



Modello Type	Portata massima Max flow	Pressione massima Max pressure P, A, B	Pressione massima Max pressure T	Corsa MAX MAX Stroke
DC-5	70 l/min 18.5 gpm	350 bar 5000 psi	150 bar 2200 psi	5.5 mm
DC-5-M*	70 l/min 18.5 gpm	350 bar 5000 psi	150 bar 2200 psi	

* con predisposizione microinterruttore
 * with microswitch predisposition

Dimensioni Dimensions	L	L1
DC-5	165	40
*DC-5-M	195	70



CIRCUITO
CIRCUIT

standard

su richiesta
upon request

1	2	A B 1	8	
2			9	
3			10	
4			11	
5			12	
6			13	
7			14	

POSIZIONATORE
SPOOL CONTROL

A	2	0	1
B	2	0	1
C	2	0	1
D	2	0	1
E	2	0	1
F	2	0	1
H	2	0	1
L	2	0	1
Q	2	0	1
R	2	0	1
S	2	0	1

Il posizionatore di tipo C
 ha una lunghezza di
 30 mm in più
 The type C positioner
 has a length of
 30 mm more

Sigla di ordinazione / Ordering code

DC-5	M	A	1
Modello Type	M Con microinterruttore With microswitch - Senza microinterruttore Without microswitch	Posizionatore Spool Control	Circuito Circuit

For flow diagram see
 PRESSURE DROP MANUAL DISTRIBUTOR (3)

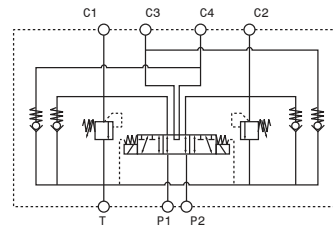
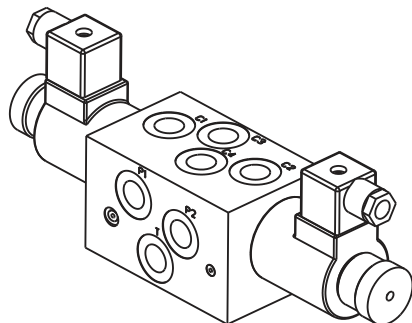
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with
 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

I dati non sono impegnativi, CBF si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola direzionale elettrica a 6 vie 3 posizioni - corpo in acciaio
Solenoid directional valve 6 way three position - steel body

mod. DE63871130

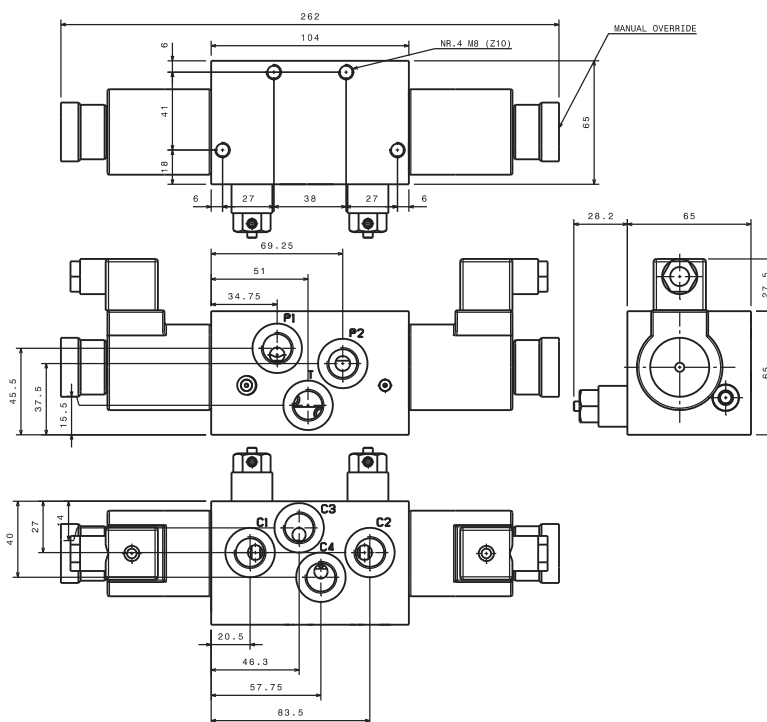


Modello Type	Portata massima Max flow	Pressione massima Max pressure	Attacchi Ports
DE63871130	50 l/min 13.2 gpm	350 bar 5000 psi	3/8" GAS

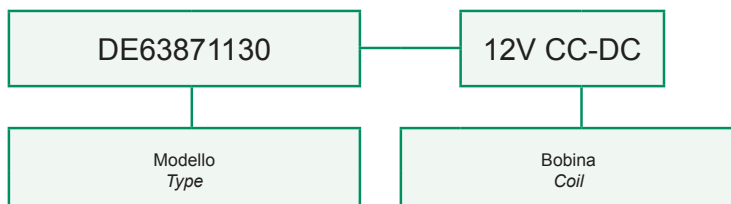
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliata Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Taratura Valvola limitatrice di pressione Pressure relief valve setting	70 ÷ 130 bar 1000 ÷ 1900 psi
Pressione di apertura valvole di blocco Cracking pressure check valves	1.2 bar 17 psi

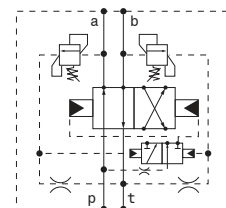
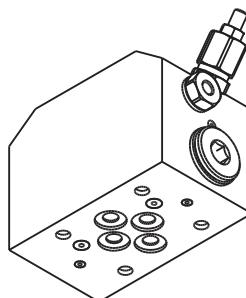
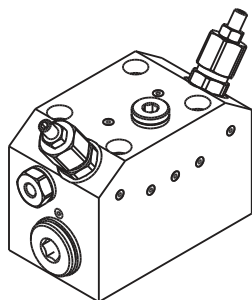


Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola direzionale automatica - luce 6
Automatic directional valve - NG6
mod. VAD-F-C3

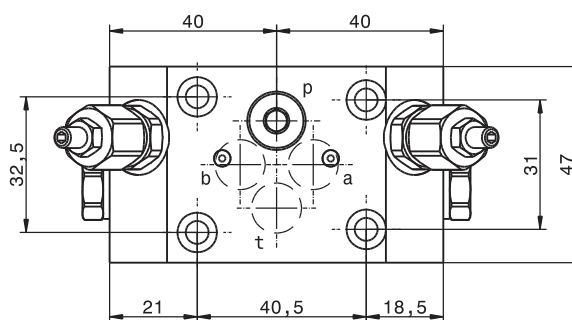
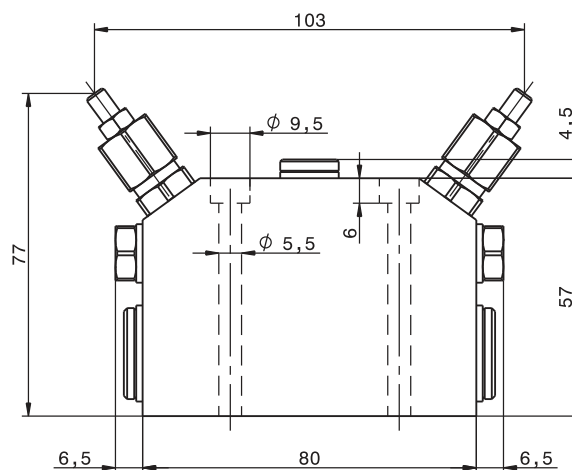


Corpo in ghisa
Cast iron body

Portata massima Max flow	30 l/min 8 gpm
Pressione massima Max pressure	250 bar 3600 psi
Taratura standard Standard setting	180 bar 2600 psi
Campo di taratura Adjustment pressure range	40 ÷ 250 bar 580 ÷ 3600 psi
Portata minima Min flow	3 l/min 0.8 gpm

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Sigla di ordinazione / Ordering code

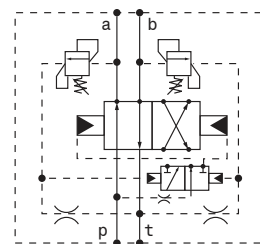
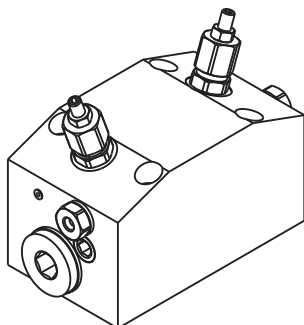
VAD-F-C3

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola direzionale automatica - luce 10
Automatic directional valve - NG10
mod. VAD-F-C5

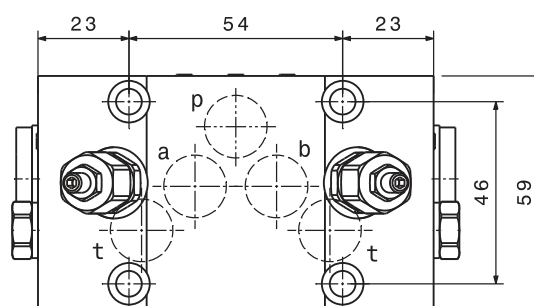
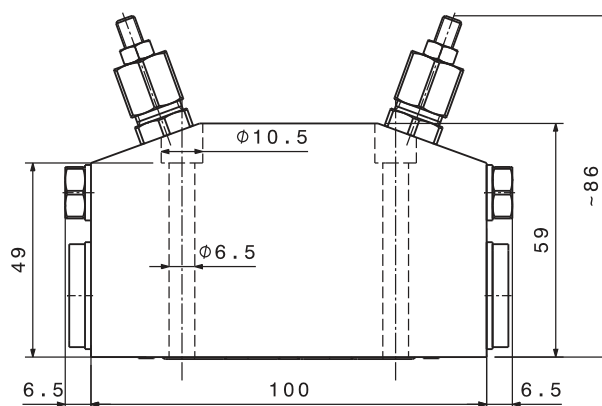
Corpo in ghisa
Cast iron body



Portata massima Max flow	70 l/min 18.5 gpm
Pressione massima Max pressure	250 bar 3600 psi
Taratura standard Standard setting	180 bar 2600 psi
Campo di taratura Adjustment pressure range	40 ÷ 250 bar 580 ÷ 3600 psi
Portata minima Min flow	6 l/min 1.6 gpm

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Sigla di ordinazione / Ordering code

VAD-F-C5

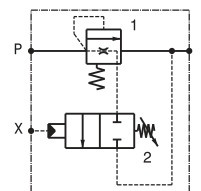
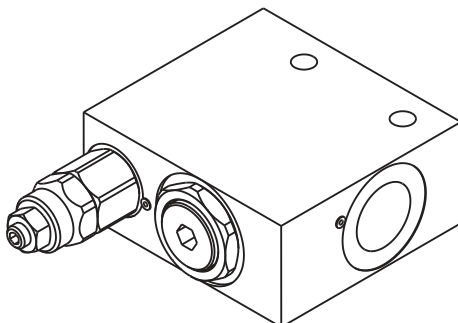
Modello
Type

For flow diagram see
PRESSURE DROP AUTOMATIC VALVE (1)

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola di messa a scarico
Unloading valve
mod. VMS-34

Corpo in alluminio
Aluminium body

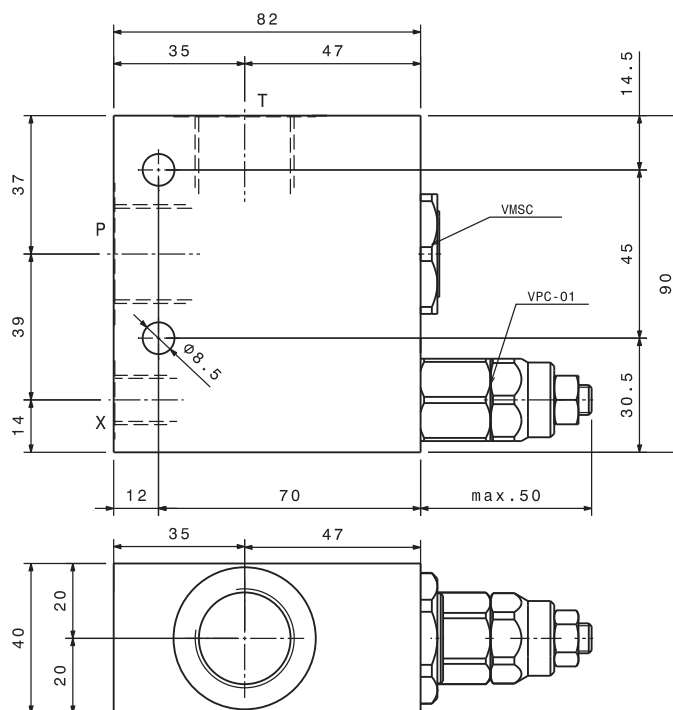


Portata massima <i>Max flow</i>	150 l/min <i>40 gpm</i>
Pressione massima <i>Max pressure</i>	300 bar <i>4300 psi</i>
Taratura standard <i>Standard setting</i> (Q=5 l/min)	100 bar <i>1450 psi</i>
Campo di taratura <i>Adjustment pressure range</i>	10 ÷ 100 bar <i>145 ÷ 1450 psi</i>

Modello <i>Type</i>	P, T	X
VMS-34	3/4" GAS	1/4" GAS

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



Sigla di ordinazione / Ordering code

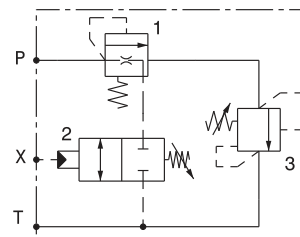
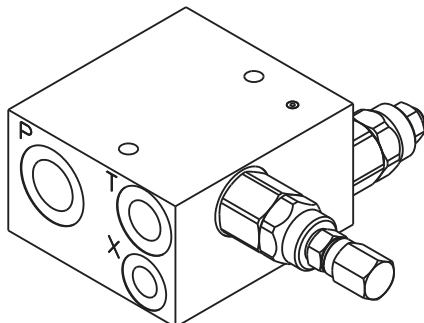
VMS-34

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di messa a scarico con valvola di sfogo
Unloading valve with purge relief valve
 mod. VMS-12-VLP40

Corpo in alluminio
Aluminium body

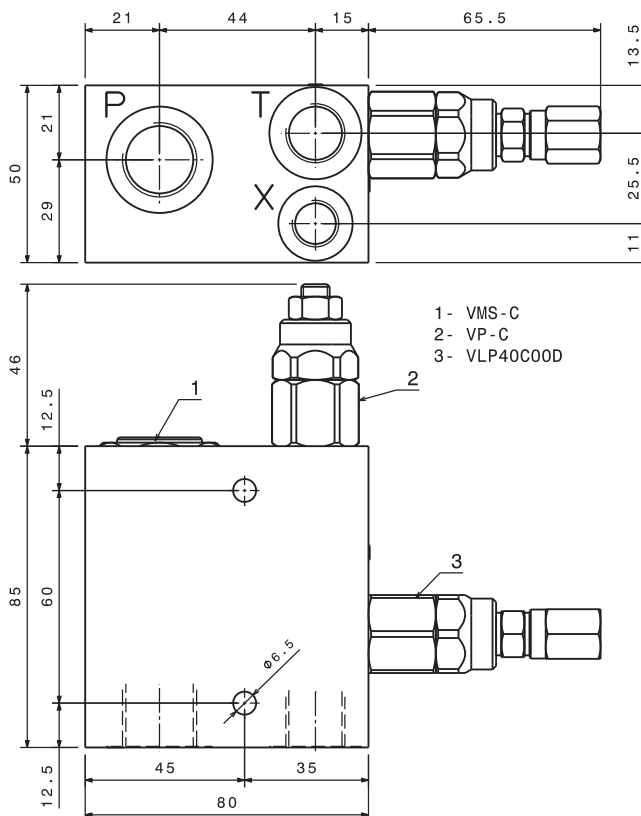


Portata massima <i>Max flow</i>	45 l/min <i>11.9 gpm</i>
Pressione massima <i>Max pressure</i>	250 bar <i>3625 psi</i>
Taratura standard <i>Standard setting</i> (Q=5 l/min)	100 bar <i>1450 psi</i>
Campo di taratura <i>Adjustment pressure range</i>	10 ÷ 100 bar <i>145 ÷ 1450 psi</i>

Modello <i>Type</i>	T	P	X
VMS-12-VLP40	3/8"GAS	1/2"GAS	1/4"GAS

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



Sigla di ordinazione / Ordering code

VMS-12-VLP40

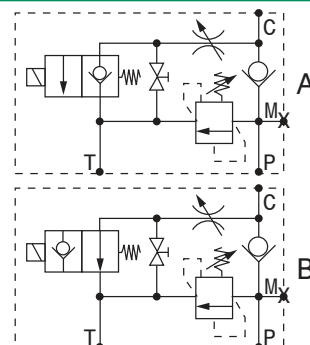
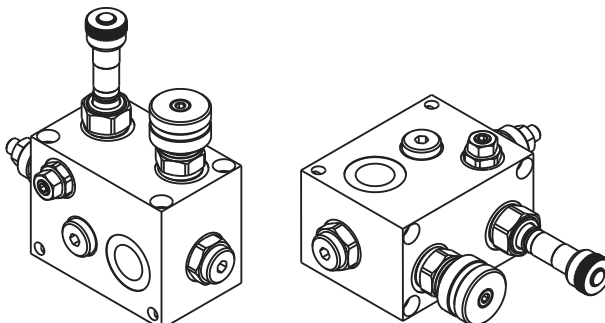
Modello
 Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Gruppo integrato con valvola di non ritorno, valvola limitatrice di pressione, strozzatore e valvola elettrica
Integrated unit valve with check valve, relief valve, restrictor and solenoid operated unloading valve

mod. EV25-VLP40-VNR40-ST

Corpo in alluminio
Aluminium body



Portata massima <i>Max flow</i>	25 l/min 6.6 gpm
Pressione massima <i>Max pressure</i>	300 bar 4300 psi

Taratura valvola limitatrice di pressione
Pressure relief valve setting

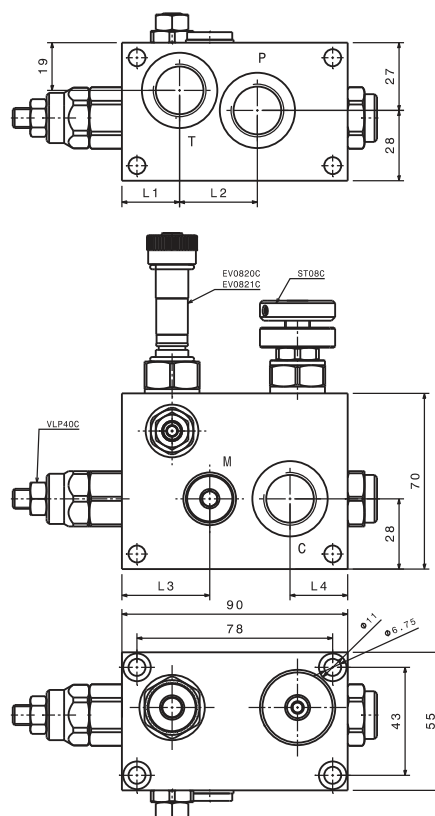
Taratura standard <i>Standard settings</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>
180 bar 2600 psi	40 ÷ 250 bar 580 ÷ 3600 psi

Modello <i>Type</i>	C, P, T	M
EV25-VLP40-VNR40-ST-38	3/8"GAS	1/4"GAS
EV25-VLP40-VNR40-ST-12	1/2"GAS	1/4"GAS

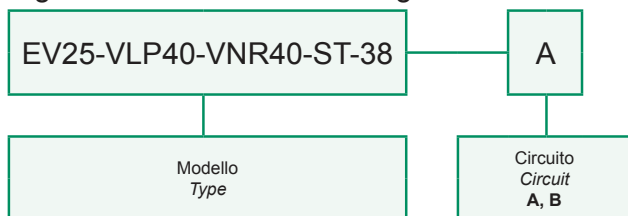
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Bobina venduta separatamente
Coil sold separately



Sigla di ordinazione / Ordering code



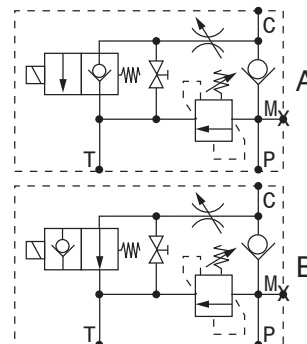
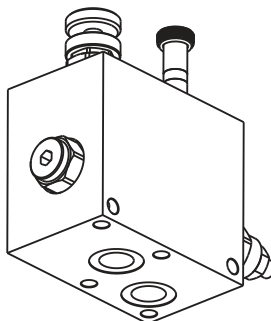
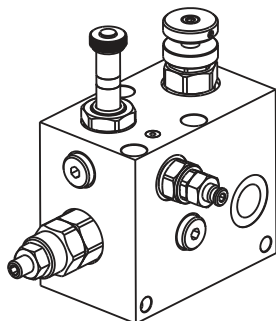
Modello <i>Type</i>	L1	L2	L3	L4
EV25-VLP40-VNR40-ST-38	20	34	17	19
EV25-VLP40-VNR40-ST-12	23	31	13	23

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Gruppo integrato con valvola di non ritorno, valvola limitatrice di pressione, strozzatore e valvola elettrica
Integrated unit valve with check valve, relief valve, restrictor and solenoid operated unloading valve

mod. EV70-VLP80-VNR80-ST

Corpo in alluminio
Aluminium body



Portata massima <i>Max flow</i>	70 l/min <i>18.5 gpm</i>
Pressione massima <i>Max pressure</i>	250 bar <i>3600 psi</i>

Taratura valvola limitatrice di pressione <i>Pressure relief valve setting</i>	
Taratura standard <i>Standard settings</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>
180 bar 2600 psi	40 ÷ 250 bar 580 ÷ 3600 psi

Modello <i>Type</i>	C, P, T	M
EV70-VLP80-VNR80-ST-12	1/2"GAS	1/4"GAS
EV70-VLP80-VNR80-ST-34	3/4"GAS	1/4"GAS

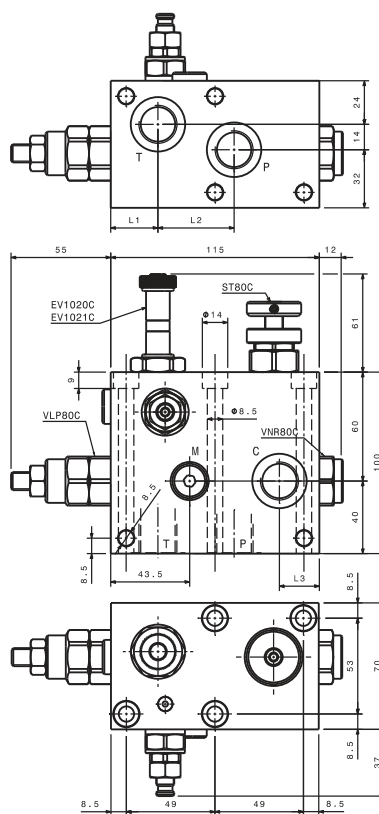
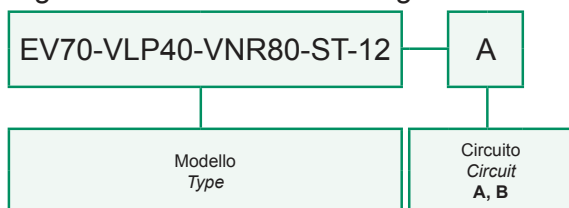
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Modello <i>Type</i>	L1	L2	L3
EV70-VLP80-VNR80-ST-12	26	42	22
EV70-VLP80-VNR80-ST-34	29	42	26

Bobina venduta separatamente
Coil sold separately

Sigla di ordinazione / Ordering code

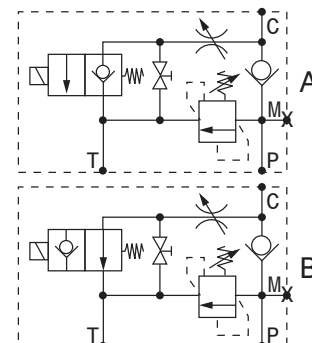
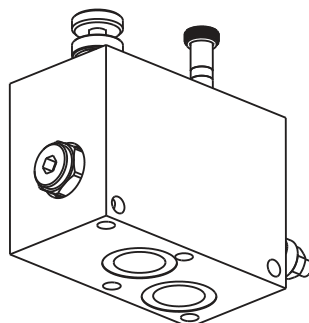
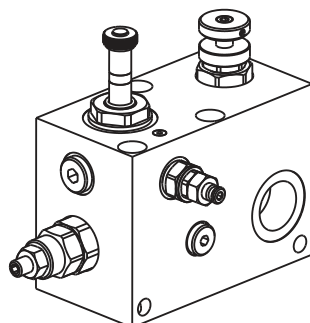


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Gruppo integrato con valvola di non ritorno, valvola limitatrice di pressione, strozzatore e valvola elettrica
Integrated unit valve with check valve, relief valve, restrictor and solenoid operated unloading valve

mod. EV150-VLP130-VNR130-ST

Corpo in alluminio
Aluminium body



Portata massima <i>Max flow</i>	130 l/min 34 gpm
Pressione massima <i>Max pressure</i>	250 bar 3600 psi

Taratura valvola limitatrice di pressione <i>Pressure relief valve setting</i>	
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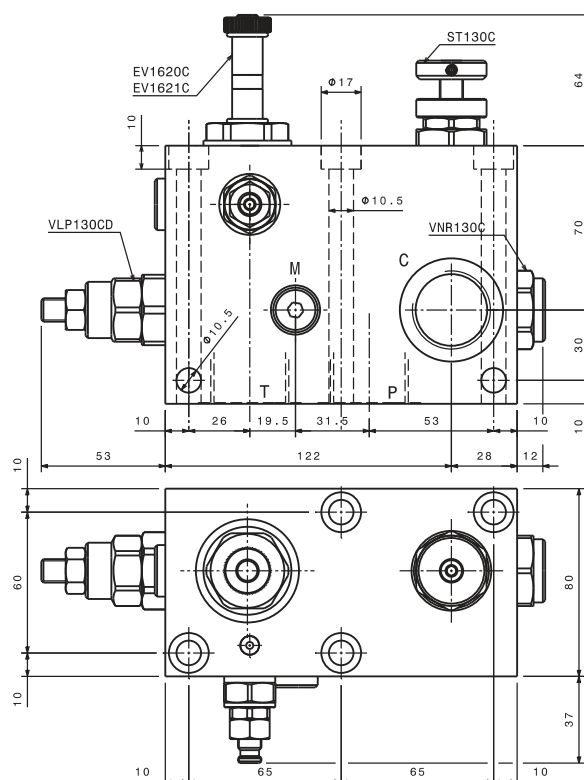
Taratura standard <i>Standard settings</i> (Q=5 l/min)	Campo di taratura <i>Adj. Pressure range</i>
180 bar 2600 psi	40 ÷ 250 bar 580 ÷ 3600 psi

Modello <i>Type</i>	C, P, T	M
EV150-VLP130-VNR130-ST-10	1" GAS	1/4" GAS

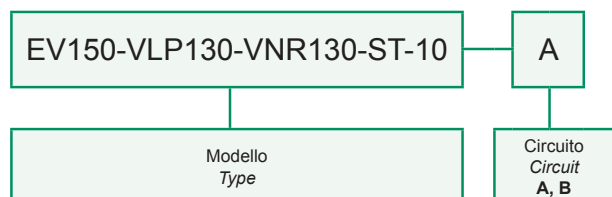
Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ

Bobina venduta separatamente
Coil sold separately

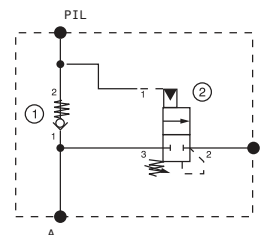
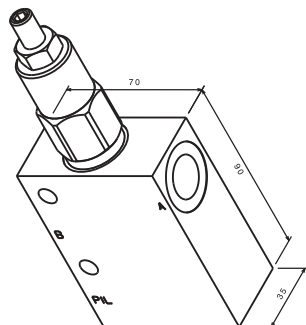


Sigla di ordinazione / Ordering code



I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di sequenza pilotata
Sequence valve pilot-operated
mod. BM028800

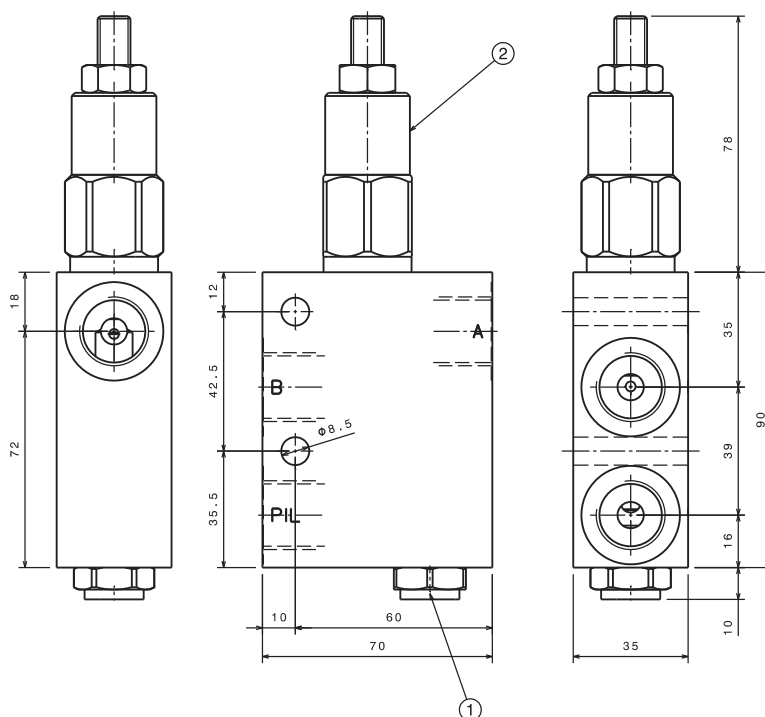


Portata massima Max flow	40 l/min 10,6 gpm
Pressione massima Max pressure	250 bar 3600 psi
Taratura valvola sequenza Sequence valve setting	120 bar 1740 psi

Modello Type	A, B	PIL
BM028800	1/2" GAS	1/2" GAS

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Sigla di ordinazione / Ordering code

BM028800

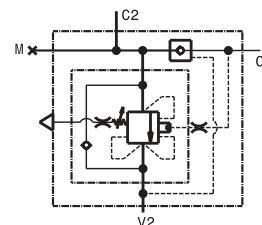
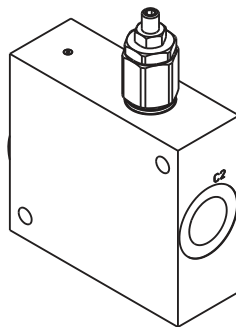
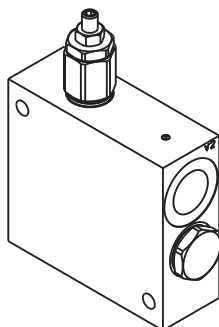
Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola di bilanciamento, blocco e controllo movimento a semplice effetto, funzione rigenerativa
Single effect counterbalance valve with regenerative function

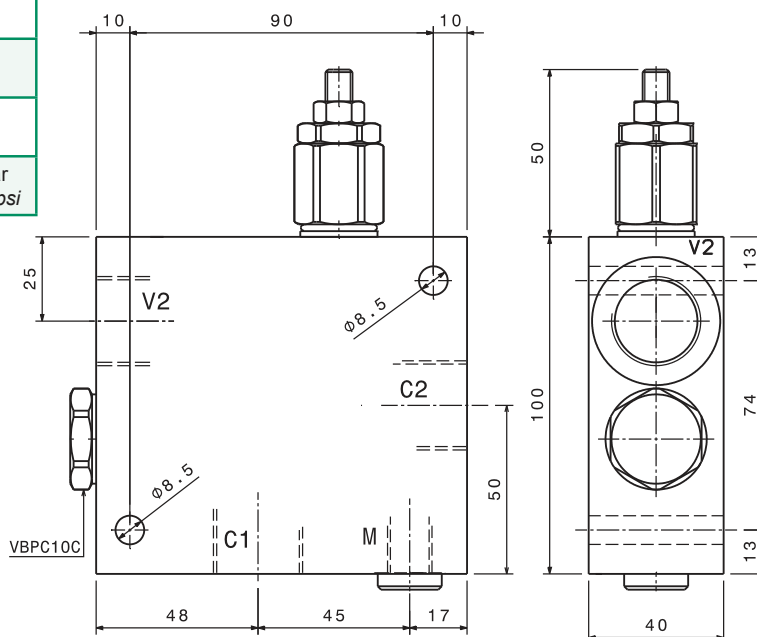
mod. VR90-34

Corpo in alluminio o acciaio
Aluminium or steel body

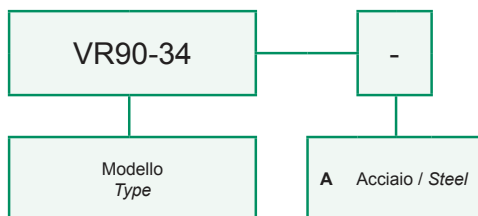


Portata massima <i>Max flow</i>	90 l/min <i>23.75 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Taratura standard <i>Standard setting (q=5 l/min)</i>	280 bar <i>5000 psi</i>
Rapporto di pilotaggio <i>Pilot ratio</i>	4.25 : 1
Campo di taratura <i>Adjustment pressure range</i>	50 ÷ 350 bar <i>725 ÷ 5000 psi</i>

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C <i>Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C</i>	
Viscosità consigliata <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 μ



Sigla di ordinazione / Ordering code



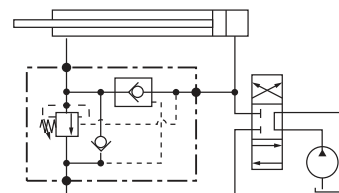
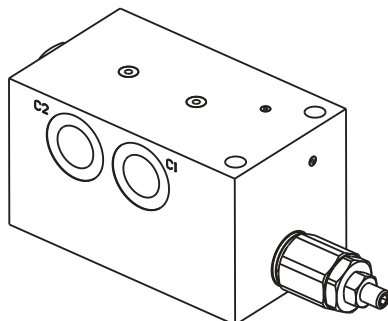
Modello <i>Type</i>	C1, C2, V2	M
VR9034	3/4" GAS	1/4" GAS

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding. CBF reserves the right to introduce modifications without notice.

Valvola per circuiti rigenerativi con esclusione automatica, senza bilanciamento
Regenerative counterbalance valve with automatic shut-off

mod. VREASB-12

Corpo in alluminio
Aluminium body

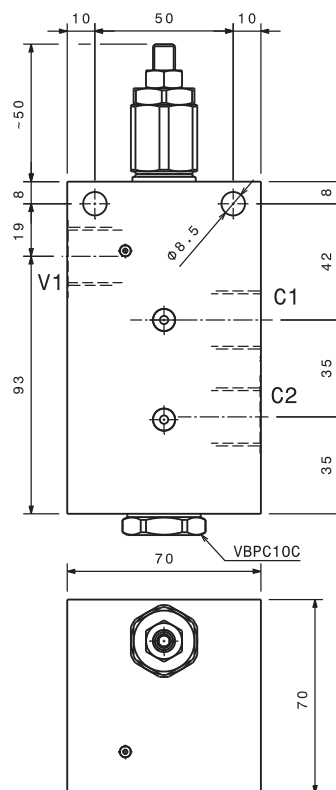


Portata massima <i>Max flow</i>	60 l/min <i>16 gpm</i>
Pressione massima <i>Max pressure</i>	350 bar <i>5000 psi</i>
Taratura standard <i>Standard setting (Q=5 l/min)</i>	350 bar <i>5000 psi</i>
Rapporto di pilotaggio <i>Pilot ratio</i>	3 : 1
Campo di taratura <i>Adjustment pressure range</i>	50 ÷ 350 bar <i>725 ÷ 5000 psi</i>
Pressione di lavoro max in rigenerativo <i>Max regenerative working pressure</i>	115 bar <i>1668 psi</i>

Modello <i>Type</i>	C1, C2	V1
VREASB-12	1/2" GAS	1/2" GAS

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperatura di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



Sigla di ordinazione / Ordering code

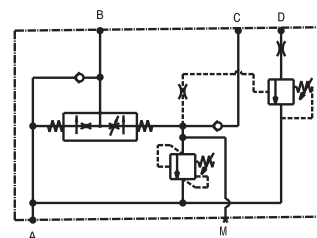
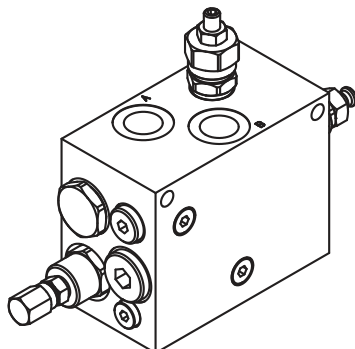
VREASB-12

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, CBF reserves the right to introduce modifications without notice.

Valvola di auto-livellamento
 Self-leveling valve
 mod. BM053800

Corpo in Ghisa
 Cast Iron Body

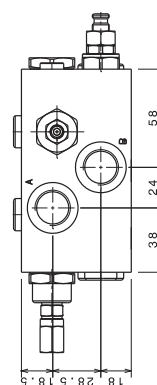
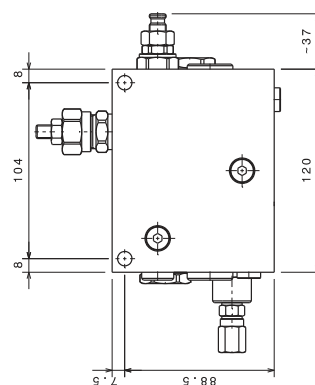
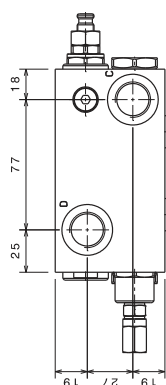
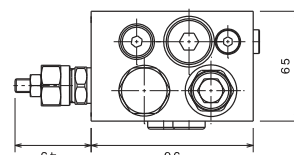
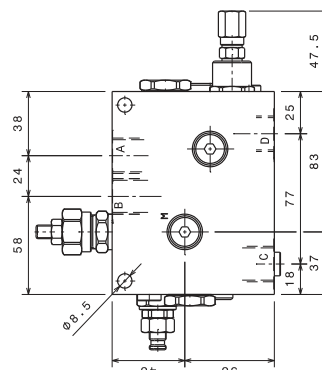


Portata massima Max flow	60 l/min 15.8 gpm
Pressione massima Max pressure	250 bar 3625 psi
Taratura standard Standard setting (Q=5 l/min)	120 bar 1740 psi
Campo di taratura Adjustment pressure range	18 ÷ 40 l/min 4.8 ÷ 10.6 gpm

Modello Type	A, B, C, D	M
BM053800	1/2"GAS	1/2"GAS

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperatura di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ



Sigla di ordinazione / Ordering code

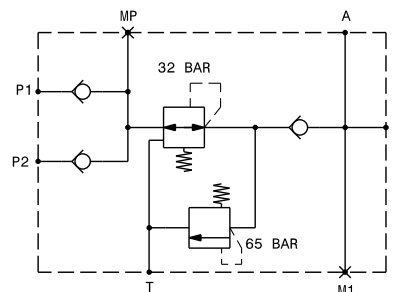
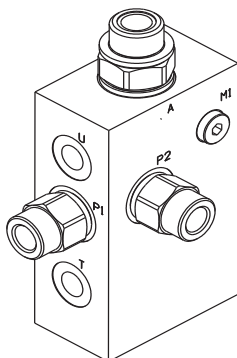
BM053800

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola per la carica degli accumulatori
Valve for charging the accumulators
 mod. **BM050001**

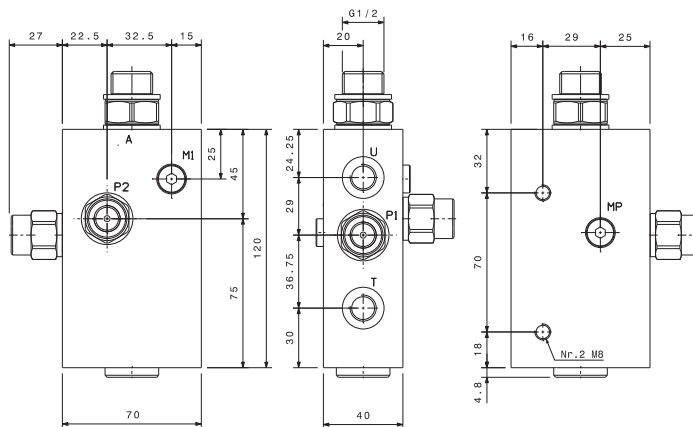
Corpo in Ghisa
Cast Iron Body



Portata massima <i>Max flow</i>	10 l/min 2.6 gpm
Pressione massima <i>Max pressure</i>	350 bar 5075 psi
Taratura riduttrice di pressione <i>Reducing pressure valve setting</i>	32 bar 464 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic
oil with 30 cSt viscosity at 50°C

Viscosità consigliate <i>Recommended viscosity</i>	10 ÷ 420 cSt
Temperature di lavoro <i>Working temperature</i>	-20 ÷ +90 °C
Filtrazione assoluta <i>Absolute filtration</i>	25 µ



Modello <i>Type</i>	U, P, P1, P2	M1, MP	A
BM050001	1/4" GAS	1/8" GAS	1/2 GAS (for accumulator)

Sigla di ordinazione / Ordering code

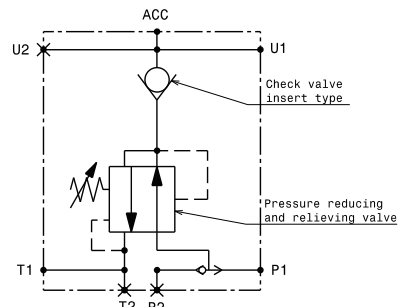
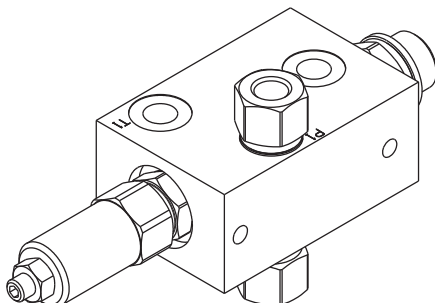
BM050001

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
*The specifications are not binding. **CBF** reserves the right to introduce modifications without notice.*

Valvola per la carica degli accumulatori
Valve for charging the accumulators
mod. BM051301

Corpo in acciaio
Steel Body



Portata massima Max flow	25 l/min 6.6 gpm
Pressione massima Max pressure	350 bar 5075 psi
Taratura riduttrice di pressione Reducing pressure valve setting	32 bar 464 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

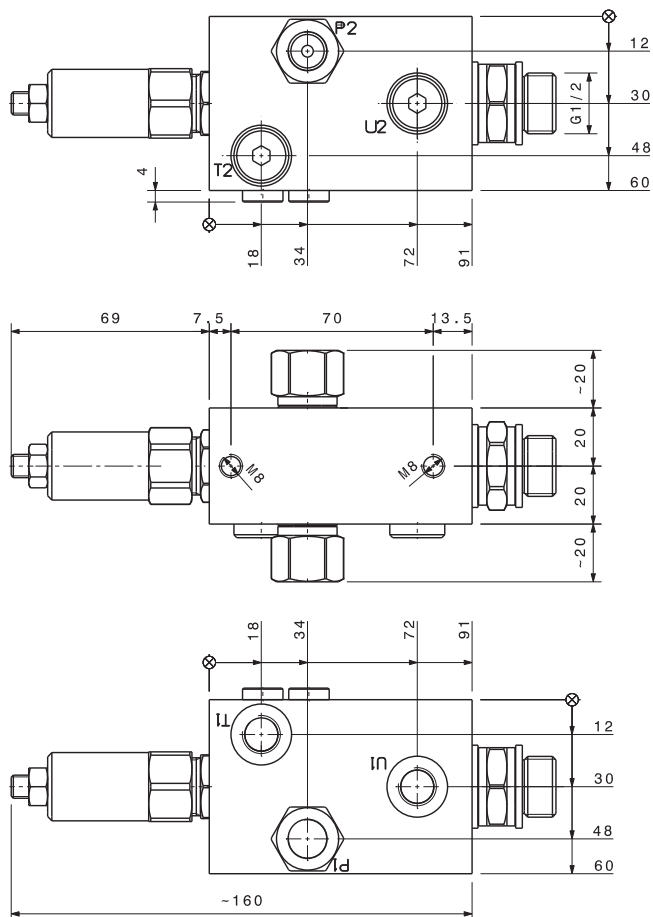
Taratura Setting		
Codice Code	Taratura standard Standard settings (Q=5 l/min)	Campo di taratura Adj. Pressure range
00*	20 bar 290 psi	5 ÷ 25 bar 72.5÷362 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	120 bar 1750 psi	40÷130 bar 580÷1900 psi

Modello Type	P1,P2,U1,U2,T1,T2	A
BM051301	1/2" GAS	1/2 GAS (for accumulator)

Sigla di ordinazione / Ordering code

BM051301

Modello
Type

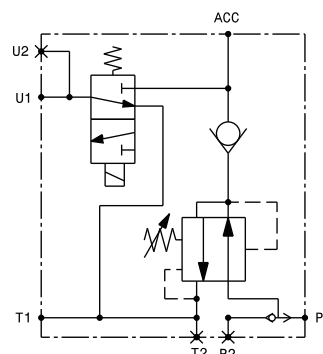
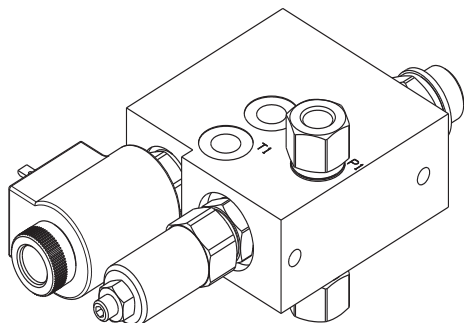


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola per la carica degli accumulatori con valvola elettrica direzionale
 Valve for charging the accumulators with directional solenoid valve

mod. BM053301

Corpo in acciaio
 Steel Body



Portata massima Max flow	18 l/min 6.6 gpm
Pressione massima Max pressure	350 bar 5075 psi
Taratura riduttrice di pressione Reducing pressure valve setting	32 bar 464 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

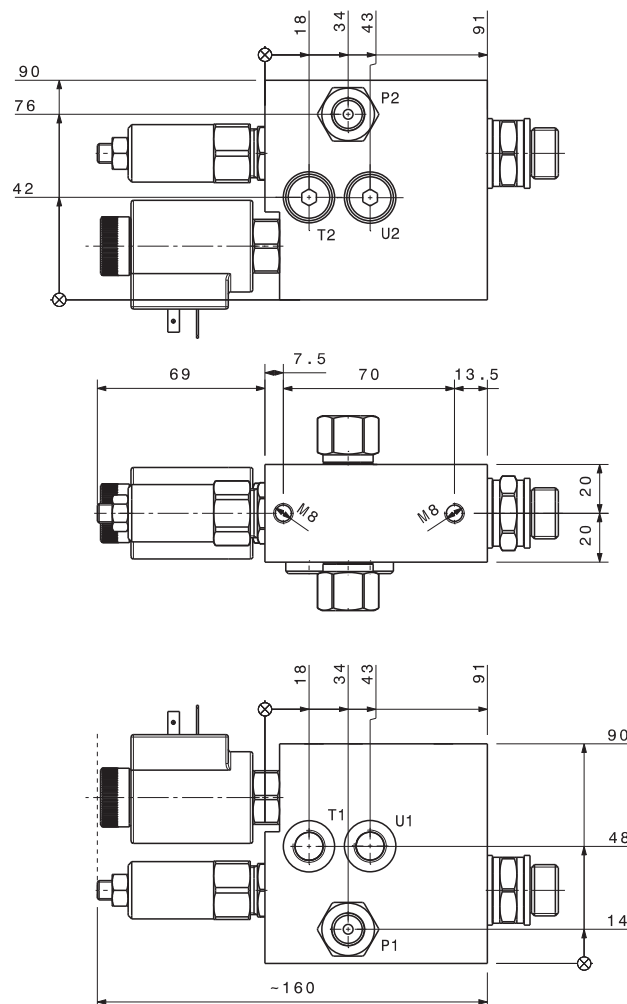
Taratura Setting		
Codice Code	Taratura standard Standard settings (Q=5 l/min)	Campo di taratura Adj. Pressure range
00*	20 bar 290 psi	5 ÷ 25 bar 72.5÷362 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	120 bar 1750 psi	40÷130 bar 580÷1900 psi

Modello Type	P1,P2,U1,U2,T1,T2	A
BM053301	1/4"GAS	1/2 GAS (for accumulator)

Sigla di ordinazione / Ordering code

BM053301

Modello
Type

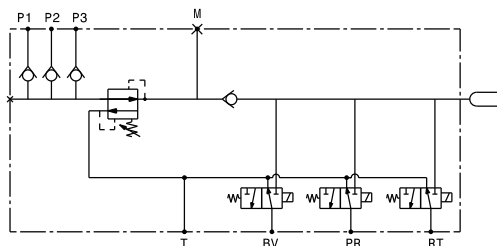
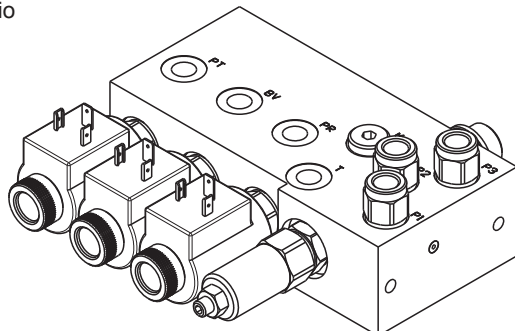


I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Valvola per la carica degli accumulatori con valvola elettrica direzionale
 Valve for charging the accumulators with directional solenoid valve

mod. BM054101

Corpo in acciaio
 Steel Body



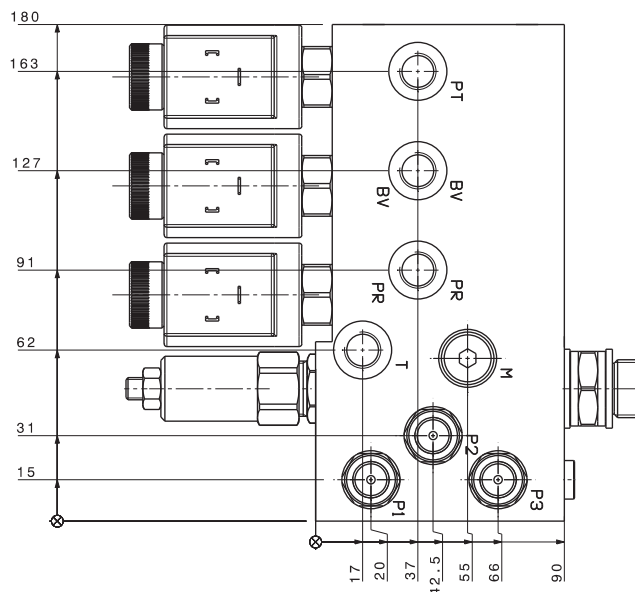
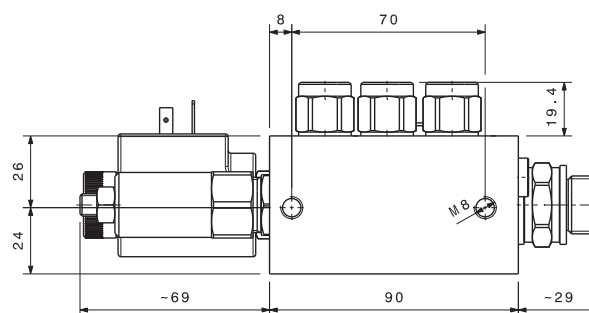
Portata massima Max flow	18 l/min 6.6 gpm
Pressione massima Max pressure	350 bar 5075 psi
Taratura riduttrice di pressione Reducing pressure valve setting	32 bar 464 psi

Dati e tarature ottenuti usando olio con viscosità 30 cSt a 50°C
 Performances and calibrations are carried out by using hydraulic oil with 30 cSt viscosity at 50°C

Viscosità consigliate Recommended viscosity	10 ÷ 420 cSt
Temperature di lavoro Working temperature	-20 ÷ +90 °C
Filtrazione assoluta Absolute filtration	25 µ

Taratura Setting		
Codice Code	Taratura standard Standard settings (Q=5 l/min)	Campo di taratura Adj. Pressure range
00*	20 bar 290 psi	5 ÷ 25 bar 72.5÷362 psi
01	80 bar 1160 psi	20÷100 bar 290÷1450 psi
02	120 bar 1750 psi	40÷130 bar 580÷1900 psi

Modello Type	P1,P2,P3,T,M,PT,BV,PR	A
BM054101	1/4"GAS	1/2 GAS (for accumulator)



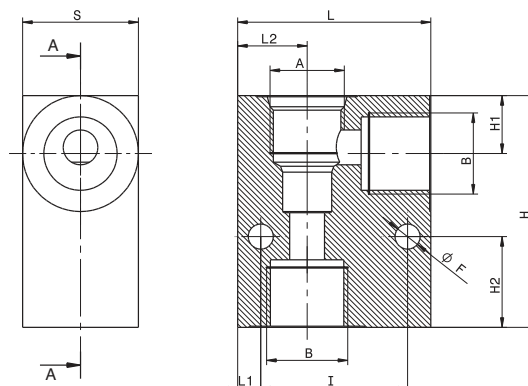
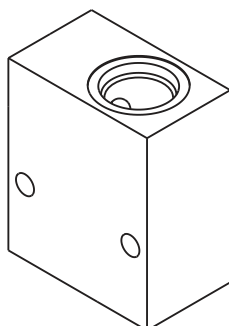
Sigla di ordinazione / Ordering code

BM054101

Modello
Type

I dati non sono impegnativi, **CBF** si riserva di apportare modifiche senza preavviso.
 The specifications are not binding, **CBF** reserves the right to introduce modifications without notice.

Collettori 2 vie standard Standard 2 ways valve housings



Pressione massima Max pressure

Corpo in alluminio
Aluminium body

300 bar
4350 psi

Corpo in acciaio
Steel body

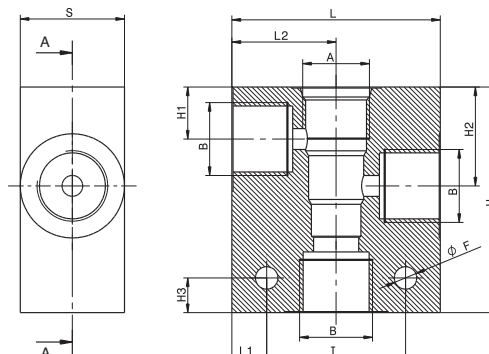
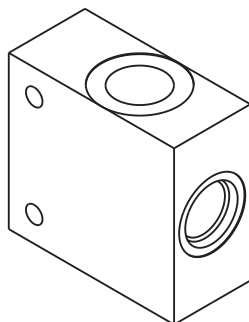
350 bar
5000 psi

Su richiesta sono disponibili i tappi per le cavità
Cavity plugs are available upon request

Cavità Cavity	Dimensioni (mm) Dimensions (mm)										Sigla di ordinazione Ordering code	
A	B	L	H	S	F	I	L1	L2	H1	H2	Alluminio Aluminium	Acciaio Steel
CAV00003 cavità 08-2 3/4-16 UNF	G 1/4	50	50	30	6.5	38	6	20	12.5	23.5	B-08-2-14	B-08-2-14-A
	G 3/8	50	60	30	6.5	38	6	18	15	23.5	B-08-2-38	B-08-2-38-A
	G 1/2	50	60	30	6.5	38	6	19	15	23.5	B-08-2-12	B-08-2-12-A
	7/16-20 UNF	50	50	30	6.5	38	6	20	13	23.5	B-08-2-04S	B-08-2-04S-A
	9/16-18 UNF	50	60	30	6.5	38	6	20	15	23.5	B-08-2-06S	B-08-2-06S-A
	3/4-16 UNF	50	60	30	6.5	38	6	20	15	23.5	B-08-2-08S	B-08-2-08S-A
CAV00039 cavità 10-2 7/8-14 UNF	G 3/8	60	60	35	6.5	45	7.5	25	18	15	B-10-2-38	B-10-2-38-A
	G 1/2	60	60	35	6.5	45	7.5	25	18	15	B-10-2-12	B-10-2-12-A
	G 3/4	70	60	40	8.5	55	7.5	30	20	15	B-10-2-34	B-10-2-34-A
	9/16-18 UNF	60	60	35	6.5	45	7.5	25	18	15	B-10-2-06S	B-10-2-06S-A
	3/4-16 UNF	60	60	35	6.5	45	7.5	25	18	15	B-10-2-08S	B-10-2-08S-A
	7/8-14 UNF	60	60	35	6.5	45	7.5	25	20	15	B-10-2-10S	B-10-2-10S-A
CAV00030 cavità 12-2 1"1/16-12 UN	G 1/2	70	80	40	8.5	55	7.5	30	25	15	B-12-2-12	B-12-2-12-A
	G 3/4	70	80	40	8.5	55	7.5	30	25	15	B-12-2-34	B-12-2-34-A
	7/8-14 UNF	70	80	40	8.5	55	7.5	30	25	15	B-12-2-10S	B-12-2-10S-A
	1"1/16-12 UN	70	80	40	8.5	55	7.5	30	25	15	B-12-2-12S	B-12-2-12S-A
CAV00032 cavità 16-2 1"5/16-12 UN	G 3/4	80	80	50	8.5	65	7.5	35	25	15	B-16-2-34	B-16-2-34-A
	G 1	80	80	50	8.5	65	7.5	35	25	15	B-16-2-10	B-16-2-10-A
	1"1/16-12 UN	80	80	50	8.5	65	7.5	35	25	15	B-16-2-12S	B-16-2-12S-A
	1"5/16-12 UN	80	80	50	8.5	65	7.5	35	25	15	B-16-2-16S-A	B-16-2-16S-A
CAV00043 cavità 20-2 1"5/8-12 UN	G 1	90	90	60	10.5	70	10	40	30	15	B-20-2-10	B-20-2-10-A
	G 1 1/4	90	90	60	10,5	70	10	40	30	15	B-20-2-114	B-20-2-114-A
	1"5/16-12 UN	90	90	60	10,5	70	10	40	30	15	B-20-2-16S	B-20-2-16S-A
	1"5/8-12 UN	90	90	60	10,5	70	10	40	30	15	B-20-2-20S	B-20-2-20S-A

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Collettori 3 vie standard Standard 3 ways valve housings



Pressione massima Max pressure

Corpo in alluminio Aluminium body	300 bar 4350 psi
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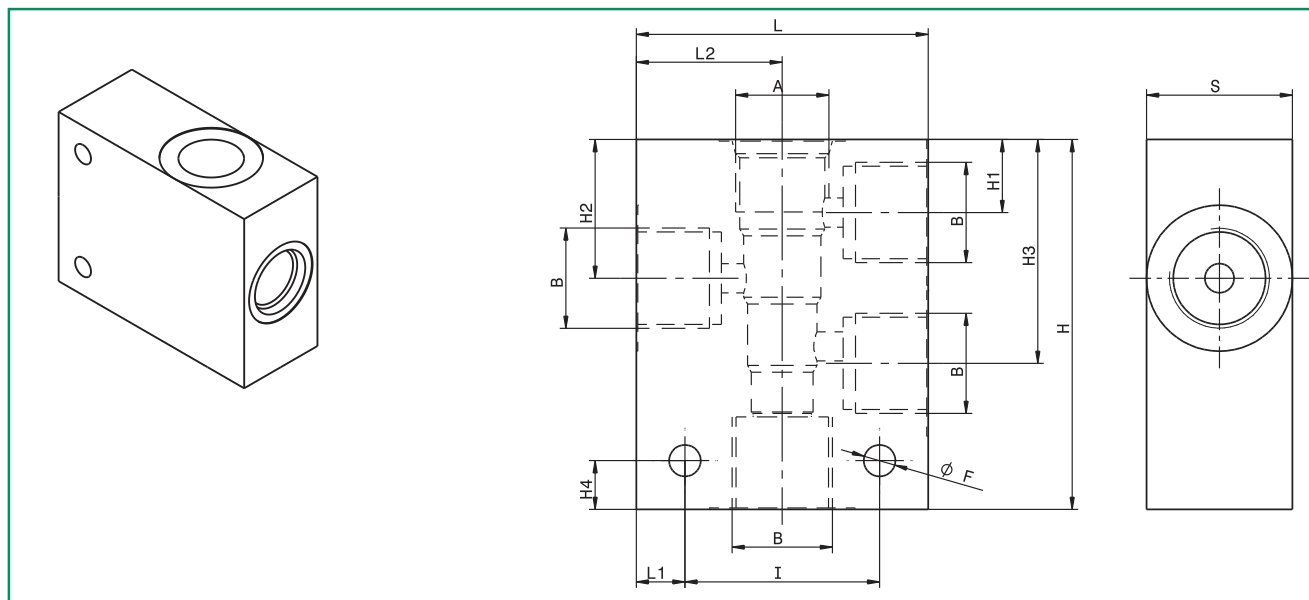
Corpo in acciaio Steel body	350 bar 5000 psi
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Su richiesta sono disponibili i tappi per le cavità
Cavity plugs are available upon request

Cavità Cavity	Dimensioni (mm) Dimensions (mm)											Sigla di ordinazione Ordering code	
A	B	L	H	S	F	I	L1	L2	H1	H2	H3	Alluminio Aluminium	Acciaio Steel
CAV00037 cavità 08-3 3/4-16 UNF	G 1/4	60	65	30	6.5	40	10	30	15	28.5	10	B-08-3-14	B-08-3-14-A
	G 3/8	60	65	30	6.5	40	10	30	15	28.5	10	B-08-3-38	B-08-3-38-A
	G 1/2	60	65	30	6.5	40	10	30	15	28.5	10	B-08-3-12	B-08-3-12-A
	7/16-20 UNF	60	65	30	6.5	40	10	30	15	28.5	10	B-08-3-04S	B-08-3-04S-A
	9/16-18 UNF	60	65	30	6.5	40	10	30	15	28.5	10	B-08-3-06S	B-08-3-046-A
	3/4-16 UNF	60	65	30	6.5	40	10	30	15	28.5	10	B-08-3-08S	B-08-3-08S-A
CAV00040 cavità 10-3 7/8-14 UNF	G 3/8	60	70	35	6.5	45	7.5	30	181	35	15	B-10-3-38	B-10-3-38-A
	G 1/2	60	70	35	6.5	45	7.5	30	18	35	15	B-10-3-12	B-10-3-12-A
	9/16-18 UNF	60	70	35	6.5	45	7.5	30	18	35	15	B-10-3-06S	B-10-3-06S-A
	3/4-16 UNF	60	70	35	6.5	45	7.5	30	18	35	15	B-10-3-08S	B-10-3-08S-A
CAV00026 cavità 12-3 1"1/16-12 UN	G 1/2	80	100	40	8.5	60	10	40	27	53	15	B-12-3-12	B-12-3-12-A
	G 3/4	80	100	40	8.5	60	10	40	27	53	15	B-12-3-34	B-12-3-34-A
	7/8-14 UNF	80	100	40	8.5	60	10	40	27	53	15	B-12-3-10S	B-12-3-10S-A
	1"1/16-12 UN	80	100	40	8.5	60	10	40	27	53	15	B-12-3-12S	B-12-3-12S-A
CAV00028 cavità 16-3 1"5/16-12 UN	G 3/4	90	105	50	8.5	70	10	45	25	54	15	B-16-3-34	B-16-3-34-A
	G 1	90	105	50	8.5	70	10	45	25	54	15	B-16-3-10	B-16-3-10-A
	1"1/16-12 UN	90	105	50	8.5	70	10	45	25	54	15	B-16-3-12S	B-16-3-12S-A
	1"5/16-12 UN	90	105	50	8.5	70	10	45	25	54	15	B-16-3-16S	B-16-3-16S-A
CAV00044 cavità 20-3 1"5/8-12 UN	G 1	100	130	60	10.5	75	12.5	50	30	70	15	B-20-3-10	B-20-3-10-A
	G 1 1/4	100	130	60	10.5	75	12.5	50	30	70	15	B-20-3-114	B-20-3-114-A
	1"5/16-12 UN	100	130	60	10.5	75	12.5	50	30	70	15	B-20-3-16S	B-20-3-16S-A
	1"5/8-12 UN	100	130	60	10.5	75	12.5	50	30	70	15	B-20-3-20S	B-20-3-20S-A

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Collettori 4 vie standard Standard 4 ways valve housings



Pressione massima Max pressure	
Corpo in alluminio Aluminium body	300 bar 4350 psi
Corpo in acciaio Steel body	350 bar 5000 psi

Su richiesta sono disponibili i tappi per le cavità
Cavity plugs are available upon request

Cavità Cavity	Dimensioni (mm) Dimensions (mm)												Sigla di ordinazione Ordering code	
A	B	L	H	S	F	I	L1	L2	H1	H2	H3	H4	Alluminio Aluminium	Acciaio Steel
CAV00038 cavità 08-4 3/4-16 UNF	G 1/4	60	76	30	6.5	40	10	30	15	29	42.5	10	B-08-4-14	B-08-4-14-A
	G 3/8	60	76	30	6.5	40	10	30	15	29	42.5	10	B-08-4-38	B-08-4-38-A
	G 1/2	60	76	30	6.5	40	10	30	15	28.5	46	10	B-08-4-12	B-08-4-12-A
	7/16-20 UNF	60	76	30	6.5	40	10	30	15	29	42.5	10	B-08-4-04S	B-08-4-04S-A
	9/16-18 UNF	60	76	30	6.5	40	10	30	15	29	42.5	10	B-08-4-06S	B-08-4-046-A
	3/4-16 UNF	60	76	30	6.5	40	10	30	15	28.5	46	10	B-08-4-08S	B-08-4-08S-A
CAV00034 cavità 10-4 7/8-14 UNF	G 3/8	60	85	35	6.5	45	7.5	30	18	35	50	15	B-10-4-38	B-10-4-38-A
	G 1/2	60	85	35	6.5	45	7.5	30	18	35	50	15	B-10-4-12	B-10-4-12-A
	9/16-18 UNF	60	85	35	6.5	45	7.5	30	18	35	50	15	B-10-4-06S	B-10-4-06S-A
	3/4-16 UNF	60	85	35	6.5	45	7.5	30	18	35	50	15	B-10-4-08S	B-10-4-08S-A

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